Environment Canada Environnement Canada

Historical Streamflow Summary

Alberta

Sommaire chronologique de l'écoulement

TO/JUSQU'À **1986**

INLAND WATERS/LANDS DIRECTORATE
WATER RESOURCES BRANCH
WATER SURVEY OF CANADA
OTTAWA, CANADA, 1987

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ET DES TERRES
DIRECTION DES RESSOURCES EN EAU
DIVISION DES RELEVÉS HYDROLOGIQUES DU CANADA
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PREFACE

This publication was prepared by personnel of the Water Survey of Canada Division under the direction of the Director, Water Resources Branch, Department of the Environment, Ottawa.

The basic data were collected and compiled under the supervision of the Regional Chief of the Water Resources Branch at Calgary, Alberta.

The co-operation received from provincial agencies and from other organizations is gratefully acknowledged.

PRÉFACE

La Division des relevés hydrologiques du Canada, sous l'autorité du Directeur des ressources en eau du ministère de l'Environnement (Ottawa), a préparé la présente publication.

On a recueilli et compilé les données de base sous la supervision du Chef régional de la Direction des ressources en eau, à Calgary (Alberta).

On remercie vivement les organismes provinciaux, ou autres, pour la coopération qu'ils ont apportée.

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INTRODUCTION

The Water Resources Branch of the Department of the Environment herein presents a summary of monthly and annual mean discharges and annual extremes of discharge for rivers in Alberta for which streamflow data to 1986 inclusive have been collected by the Water Survey of Canada. This edition supersedes all previous editions.

A program for the collection and publication of Surface Water Data has been carried on across Canada for over 75 years. The results of these hydrometric survey investigations have been published annually.

Discharge data are available on punched cards or magnetic tape for computer processing. These data and details on individual stations and related records, as well as recent data which have not yet been published may be obtained upon application to:

Regional Chief,
Water Resources Branch,
Department of the Environment,
Bag 2902,
Postal Station 'M',
(Room 854,
220-4th Avenue S.E.,)
Calgary, Alberta.
T2P 2M7
(403 292-5311)

or to the Director, Water Resources Branch, Department of the Environment, Ottawa, Ontario, K1A 0H3 (819 997-1508).

INTRODUCTION

La Direction des ressources en eau du ministère de l'Environnement présente un sommaire des moyennes mensuelles et annuelles de l'écoulement et des extrêmes annuels de cours d'eau de l'Alberta, pour lesquels la Division des relevés hydrologiques du Canada a obtenu des données jusqu'en 1986 inclusivement. La présente publication annule toutes les éditions antérieures.

La cueillette et la publication de données sur les eaux de surface sont en oeuvre depuis plus de 75 années au Canada. Les données obtenues à partir des relevés hydrométriques sont publiées annuellement.

On peut se procurer les données sur l'écoulement sous forme de cartes perforées ou de rubans magnétiques pour traitement sur ordinateur. En s'adressant aux endroits ci-après, on peut obtenir ces données, des renseignements supplémentaires sur certaines stations particulières et divers relevés ainsi que des données récentes non encore publiées:

Chef régional
Direction des ressources en eau
Ministère de l'Environnement
Sac postal 2902
Succursale postale 'M'
(Pièce 854,
220, Quatrième avenue S.-E.)
Calgary (Alberta)
T2P 2M7
(403 292-5311)

ou au Directeur, Direction des ressources en eau, ministère de l'Environnement, Ottawa (Ontario), K1A 0H3 (819 997-1508).

ORGANIZATION AND HISTORY OF HYDROMETRIC SURVEY OPERATIONS

Hydrometric surveys in Alberta were conducted by the Water Survey of Canada under agreement with the Province of Alberta. The provincial authorities contributed to the cost of the basic field investigations which were carried out in accordance with mutually agreed-upon plans.

Stream measurement work was carried on between 1894 and 1908 in connection with the Canadian Irrigation Surveys. Early in 1909 the Hydrometric Survey was organized as part of the Forestry and Irrigation Branch and was conducted by the Branch until 1911. The Hydrometric Survey was then assigned to the Irrigation Branch (later the Reclamation Service) remaining in that organization until July, 1920, when it was transferred to the Dominion Water Power Branch. Following the transfer of the natural resources of Alberta to provincial control as of October 1, 1930, a co-operative agreement was arranged with the Government of Alberta for the continuance of the hydrometric survey by the federal government. Although this agreement was terminated in 1933 work was continued by the federal government under letter arrangement until 1975. A co-operative agreement, (with an implementation date of April 1, 1975), was signed with the Government of Alberta on April 15, 1975. The agreement provides that water quantity surveys will be continued by the federal government on a shared cost basis.

ORGANISATION ET HISTORIQUE DES RELEVÉS HYDROMÉTRIQUES

La Division des relevés hydrologiques du Canada a effectué des relevés hydrométriques en Alberta en vertu de l'accord conclu avec les autorités provinciales, qui ont contribué au coût des recherches de base réalisées sur le terrain, après entente mutuelle sur leur programme.

Entre 1894 et 1908, des relevés ont été effectués en même temps que les levés canadiens relatifs à l'irrigation. Au début de l'année 1909, un service des relevés hydrométriques a été créé au sein de la Direction des forêts et de l'irrigation, qui s'en est occupée jusqu'en 1911. L'exécution de ces relevés a ensuite été confiée à la Direction de l'irrigation (devenue plus tard le Service de la mise en valeur des terres), et ce jusqu'en juillet 1920, date à laquelle la Direction fédérale de l'énergie hydraulique en a pris charge. Après que la responsabilité des ressources naturelles de l'Alberta a passé à cette dernière, le 1er octobre 1930, un accord de coopération a été conclu avec son gouvernement, aux termes duquel le gouvernement fédéral s'est engagé à poursuivre l'exécution des relevés hydrométriques. L'accord à pris fin en 1933, mais en vertu d'une lettre d'entente, le gouvernement fédéral a continué d'exécuter les observations hydrométriques jusqu'en 1975. Le 15 avril 1975, le gouvernement de l'Alberta a signé un nouvel accord, qui est entré en vigueur le 1er avril 1975, renfermant des dispositions grâce auxquelles le gouvernement fédéral s'occupera du programme de relevés hydrométriques et partagera le coût des mesures avec la province.

CO–OPERATION AND ACKNOWLEDGMENTS

Co-operative undertakings with other agencies form an important part of the activities of the Water Survey of Canada. Close co-operation has been maintained with public agencies and private organizations concerned with water resources. Runoff and other data have been mutually exchanged and stream-gauging operations have been facilitated by the assistance received from a number of organizations.

On waters adjacent to the International Boundary, certain gauging stations are maintained by Canada (or the United States) under agreement with the United States (or Canada) and the records are collected and compiled in a manner equally acceptable to both countries. These stations are designated as "International Gauging Stations" in this publication.

For the valuable assistance and co-operation received in obtaining hydrometric survey records, the Water Survey of Canada is indebted to many organizations.

The names of these organizations are given in the Surface Water Data Reference Index and the annual Surface Water Data publications. The names of agencies who have contributed data for publication are identified herein under individual stations.

COOPERATION ET REMERCIEMENTS

Le travail entrepris en coopération avec d'autres organismes représente une partie importante des activités de la Division des relevés hydrologiques du Canada. On a maintenu une étroite collaboration avec les organismes, publics ou privés, qui s'intéressent aux ressources en eau. On a échangé des données portant sur l'écoulement ou sur d'autres points, et l'assistance fournie par beaucoup d'organismes a facilité les opérations de jaugeage.

Pour ce qui est des eaux adjacentes à la frontière internationale, certaines stations de jaugeage dépendent du Canada (ou des États-Unis) suite à un accord avec les États-Unis (ou le Canada), et les relevés sont faits et compilés de façon à satisfaire les deux pays. Ces stations sont nommées «Stations internationales de jaugeage».

La Division des relevés hydrologiques du Canada est redevable à maints organismes de l'aide et de la collaboration précieuses qu'ils lui ont apportées lors de la prise des relevés hydrométriques.

On trouvera les noms des organismes dans l'*Index de référence des données sur les eaux de surface* et dans les publications annuelles des *Données sur les eaux de surface*. Les noms des organismes qui ont fourni des données apparaissent dans la présente publication sous les stations particulières.

EQUIVALENTS OF MEASURE

The following list of convenient equivalents of measure includes the relationship between imperial units and the International System of Units (SI).

1 inch equals 2.54 cm (centimetres)
1 foot equals 0.3048 m (metre)
1 statute mile equals 1.6093 km (kilometres)

1 cm (centimetre) equals 0.393 70 inch
1 m (metre) equals 3.2808 feet
1 km (kilometre) equals 0.621 37 mile

1 acre equals 43 560 square feet
1 acre equals 0.404 69 ha (hectare)
1 square mile equals 640 acres
1 square mile equals 2.5900 km^2 (square kilometres)
1 square mile equals 259.0 ha (hectares)

1 ha (hectare) equals 10 000 m^2 (square metres)
1 ha (hectare) equals 2.4710 acres
1 km^2 (square kilometre) equals 0.386 10 square mile

1 cubic foot equals 6.2288 imperial gallons
1 imperial gallon equals 4.546 09 L (litres)
1 imperial gallon equals 1.2010 U.S. gallons
1 U.S. gallon equals 0.133 68 cubic foot
1 cubic foot equals 0.028 317 m^3 (cubic metre)
1 m^3 (cubic metre) equals 35.315 cubic feet
1 dam^3 (cubic decametre) equals 1000 m^3 (cubic metres)
1 dam^3 (cubic decametre) equals 1 mm (millimetre) over 1 km^2 (square kilometre)

1 cubic foot per second for one day equals 1.9835 acre-feet
1 cubic foot per second for one day covers one square mile to a depth of 0.037 19 inch
1 acre-foot equals 1.2335 dam^3 (cubic decametres)
1 m^3/s (cubic metre per second) for one day equals 86.4 dam^3 (cubic decametre)
1 m^3/s (cubic metre per second) for one day covers one square kilometre to a depth of 0.0864 m (metre)

1 foot per second equals 0.6818 mile per hour
1 mile per hour equals 1.467 feet per second
1 m/s (metre per second) equals 3.6 km/h (kilometre per hour)
1 km/h (kilometre per hour) equals 0.2778 m/s (metre per second)

1 cubic foot per second equals 0.028 317 m^3/s (cubic metre per second)
1 m^3/s (cubic metre per second) equals 35.315 cubic feet per second

1 pound equals 0.453 59 kg (kilogram)
1 kg (kilogram) equals 2.2046 pounds

1 short ton (2000 pounds) equals 0.907 18 t (tonne)
1 t (tonne) equals 2204.6 pounds

degrees Celsius = 5/9 (degrees Fahrenheit - 32)
degrees Fahrenheit = 9/5 (degrees Celsius) + 32

ÉQUIVALENCES DES UNITÉS DE MESURE

Voici une liste des unités de mesure impériales et leurs équivalences dans le Système international d'unités (SI).

1 pouce vaut 2.54 cm (centimètres)
1 pied vaut 0.3048 m (mètre)
1 mille terrestre équivaut à 1.6093 km (kilomètre)

1 cm (centimètre) équivaut à 0.393 70 pouce
1 m (mètre) équivaut à 3.2808 pieds
1 km (kilomètre) équivaut à 0.621 37 mille

1 acre vaut 43 560 pieds carrés
1 acre équivaut à 0.404 69 ha (hectare)
1 mille carré vaut 640 acres
1 mille carré équivaut à 2.5900 km^2 (kilomètres carrés)
1 mille carré équivaut à 259.0 ha (hectare)

1 ha (hectare) vaut 10 000 m^2 (mètres carrés)
1 ha (hectare) équivaut à 2.4710 acres
1 km^2 (kilomètre carré) équivaut à 0.386 10 mille carré

1 pied cube équivaut à 6.2288 gallons impérials
1 gallon impérial vaut 4.546 09 L (litres)
1 gallon impérial équivaut à 1.2010 gallon américain
1 gallon américain équivaut à 0.133 68 pied cube
1 pied cube vaut 0.028 317 m^3 (mètre cube)
1 m^3 (mètre cube) vaut 35.315 pieds cubes
1 dam^3 (décamètre cube) vaut 1000 m^3 (mètres cubes)
1 dam^3 (décamètre cube) vaut 1 mm (millimètre) qui couvre 1 km^2 (kilomètre carré)

1 pied cube par seconde pendant un jour équivaut à 1.9835 acre-pied
1 pied cube par seconde pendant un jour équivaut à un volume d'un mille carré par 0.037 19 pouce
1 acre-pied équivaut à 1.2335 dam^3 (décamètres cubes)
1 m^3/s (mètre cube par seconde) pour un jour vaut 86.4 dam^3 (décamètre cube)
1 m^3/s (mètre cube par seconde) pour un jour couvre un kilomètre carré à une profondeur de 0.0864 m (mètre)

1 pied par seconde équivaut à 0.6818 mille par heure
1 mille par heure équivaut à 1 467 pied par seconde
1 m/s (mètre par seconde) vaut 3.6 km/h (kilomètre par heure)
1 km/h (kilomètre par heure) vaut 0.2778 m/s (mètre par seconde)

1 pied cube par seconde équivaut à 0.028 317 m^3/s (mètre cube par seconde)
1 m^3/s (mètre cube par seconde) équivaut à 35.315 pieds cubes par seconde

1 livre équivaut à 0.453 59 kg (kilogramme)
1 kg (kilogramme) équivaut à 2.2046 livres

1 tonne courte (2000 livres) équivaut à 0.907 18 t (tonne)
1 t (tonne) équivaut à 2204.6 livres

degrés Celsius = 5/9 (degrés Fahrenheit - 32)
degrés Fahrenheit = 9/5 (degrés Celsius) + 32

DEFINITION OF TERMS AND ABBREVIATIONS

"Control" is the condition downstream from a gauging station that determines the stage-discharge relationship. It may be a stretch of rapids, a weir or other artificial structure. In the absence of such features, the control may be a less obvious condition such as a convergence of the channel or even simply the resistance to flow through a downstream reach. A shifting control exists where the stage-discharge relationship tends to change because of impermanent bed or banks.

"Cubic metres per second" (m^3/s) is a unit expressing rate of discharge. One cubic metre per second is equal to one cubic metre of water flowing past a particular point in one second. This is the basic unit in general use, other units being computed from it by the use of factors as given in the previous paragraph under "Equivalents of Measure".

"Gauging station" is a location where systematic records of stage or stage and discharge are obtained.

"Miscellaneous (or related) data" is all data not published in the regular series of hydrometric and sediment data publications such as unpublished water levels and the various parameters that are measured in obtaining discharge measurements, e.g. water depth, velocity, width, air and water temperatures, ice thickness. This also includes discharge measurements and water level and sediment observations obtained at locations which are not regular gauging stations. Various types of "derived" data could also be considered "miscellaneous", such as water levels and discharges at selected time intervals (usually hourly).

"Stage-discharge relationship" is the relation between the water level and the discharge at a gauging station.

PUBLICATION OF SURFACE WATER AND SEDIMENT DATA

Surface Water Data have been published in a variety of formats in imperial units since 1908 in approximately 300 publications which are now mostly out-of-print. Commencing with the 1979 publications, data are presented in the International System of Units (SI). However, the format has remained the same wherein Canada is divided into eight regions. The provinces each represent a separate region except for New Brunswick, Newfoundland, Nova Scotia and Prince Edward Island which together form the Atlantic Provinces region, and the Yukon and Northwest Territories which make up another. The publications are identified by the province(s) or territories covered and the year in which data were collected. These data are published annually on a calendar-year basis and the stations are listed alphabetically, with two years of data per page.

The first edition of a *Surface Water Data Reference Index* was published for data to 1966 by province or region. Subsequent editions were published annually or biennially in one publication for Canada. Commencing with the 1979 publication, data are

DÉFINITIONS DES TERMES ET ABRÉVIATIONS

«Élément régulateur» – élément qui conditionne l'écoulement en aval d'une station de jaugeage et qui détermine la relation hauteur-débit au niveau de la station. Ce peut être une série de rapides, un déversoir ou toute autre structure artificielle. En l'absence de ces structures, l'élément régulateur peut provenir d'une condition moins apparente comme le rétrécissement d'un chenal ou simplement la résistance à l'écoulement d'un tronçon situé en aval. Il y a élément régulateur changeant quand la relation hauteur-débit tend à être modifiée par un lit ou des rives instables.

«Mètres cubes par seconde» (m^3/s) – unité du taux d'écoulement. Un mètre cube par seconde équivaut à un mètre cube d'eau s'écoulant en un point donné en une seconde. C'est l'unité de base généralement employée, les autres unités dérivées à partir de celle-ci sont données sous la rubrique «Équivalences des unités de mesure».

«Station de jaugeage» – lieu où l'on effectue des relevés systématiques de la hauteur ou de la hauteur et du débit de l'eau.

«Les données diverses (ou connexes)» – représentent toutes les données qui ne sont pas publiées dans les séries régulières des publications sur les données hydrométriques et les sédiments, par exemple celles des niveaux des eaux et des autres paramètres qui sont mesurés en même temps que le débit, soit la profondeur de l'eau, sa vitesse, son étendue, la température de l'eau et de l'air, l'épaisseur de la glace. Les mesures de débit ainsi que les observations sur les niveaux des eaux et les sédiments, obtenues à des emplacements autres que les stations régulières de jaugeage, sont aussi incluses. D'autres types de données «dérivées» pourraient aussi être classées dans cette catégorie de données «diverses», à savoir les niveaux des eaux et les débits observés à des intervalles de temps précis (en général, toutes les heures).

«Relation hauteur-débit» – relation qui existe entre la hauteur et le débit au niveau d'une station de jaugeage.

PUBLICATION DES DONNÉES SUR LES EAUX DE SURFACE ET LES SÉDIMENTS

Depuis 1908, les *Données sur les eaux de surface* ont été publiées, en utilisant diverses formules et en ayant recours au système d'unités impériales, dans quelque 300 publications lesquelles sont pour la plupart épuisées. À partir de 1979, les données sont fournies dans le Système international d'unités (SI). Toutefois, la présentation est toujours la même, c'est-à-dire que le Canada est divisé en huit régions. Chaque province représente une région distincte sauf le Nouveau-Brunswick, la Terre-Neuve, la Nouvelle-Écosse et l'Île du Prince-Édouard qui constituent la région des provinces de l'Atlantique, comme c'est le cas aussi pour le Yukon et les Territoires du Nord-Ouest qui sont réunis en une seule région. Les publications sont identifiées par le nom des provinces ou territoires concernés et par l'année de la cueillette des données. Les données sont publiées annuellement, en fonction de l'année civile, et les stations sont classées par ordre alphabétique, chaque page de données couvrant deux années.

La première édition de l'*Index de référence des données sur les eaux de surface* comprenait les données disponibles jusqu'en 1966, de chaque province ou région. Les éditions subséquentes étaient publiées annuellement ou tous les deux ans en une seule publication

presented in the International System of Units (SI) and published every two years. Gauging stations are listed by province or territory, in upstream to downstream order. Coloured maps showing the locations of both active and discontinued stations were included in the first and second editions and were provided in a separate Hydrometric Map Supplement to the 1972 and the 1977 editions. The latest editions of the Reference Index and the Hydrometric Map Supplement supersede all previous editions.

The first edition of a publication series titled *Historical Streamflow Summary* was produced for data to 1970. Subsequent editions have been published every three years. This publication series contains a summary of historical monthly and annual mean discharges and annual extremes for the entire period of record for all stations where streamflow data have been collected during the history of the Water Survey of Canada. Data are published by province or region, as for the annual Surface Water Data publications. Commencing with the 1979 publications, data are presented in the International System of Units (SI). Editions subsequent to 1982 will be published every two years. The latest edition supersedes all previous editions since it contains any corrections or additions since the last publication.

The first edition of a publication series titled *Historical Water Levels Summary* was produced for data to 1976. This publication series contains a summary of historical monthly and annual mean water levels and annual extremes for the period of record for all stations on lakes or reservoirs where water level data have been collected during the history of the Water Survey of Canada. It also contains a summary of water level data for all stations on rivers where "water levels only" were collected or for certain stations on rivers where streamflow data are collected, but the historical water level information is considered to be of sufficient demand to warrant inclusion in the publication (daily water levels for stations where streamflow data are collected are not normally published in the annual Surface Water Data publications). Data are published by province or region, as for the annual Surface Water Data publications. Commencing with the 1979 publications, data are presented in the International System of Units (SI). Editions subsequent to 1983 will be published every two years. The latest edition supersedes all previous editions, since it contains any corrections or additions since the last publication.

During the years 1948 to 1960, some sediment data were collected for several Prairie rivers to meet the needs of particular projects. The first Paper containing sediment data incorporates a selection of these data and also data for part of the year ending September 30, 1961, at stations established for the continuing program. The second issue is a biennial publication covering only the continuing program for the 1962 and 1963 water years. All subsequent editions titled *Sediment Data Canadian Rivers* were published annually. Commencing with the 1978 publication, data are presented entirely in the International System of Units (SI).

Commencing with 1984, the *Sediment Data* are presented and published in a new format wherein Canada is divided into eight regions. The provinces each represent a separate region except for

pour tout le Canada. À partir de 1979, les données sont fournies dans le Système international d'unités (SI) et les éditions subséquentes vont paraître tous les deux ans. Les stations de jaugeage sont présentées par province ou territoire et placées dans l'ordre de leur position, d'amont en aval. Des cartes en couleurs, qui indiquent l'emplacement des stations hydrométriques en service, y compris celles qui ne le sont plus, ont paru dans les première et deuxième éditions ainsi que dans le *Supplément de cartes hydrométriques* de 1972 et de 1977. L'édition la plus récente de l'*Index de référence* et celle du *Supplément de cartes hydrométriques* annulent les éditions antérieures.

La première édition d'une série de publications intitulée *Sommaire chronologique de l'écoulement* renfermait les données disponibles jusqu'en 1970. Les éditions subséquentes étaient publiées tous les trois ans. Cette série de publications renferme un résumé des moyennes mensuelles et annuelles des débits ainsi que les débits extrêmes annuels pour toute la période d'enregistrement et pour toutes les stations où des données de débit sont recueillies par la Division des relevés hydrologiques du Canada. Les données sont publiées par province ou région, comme c'est le cas pour les publications annuelles des données sur les eaux de surface. À partir de 1979, les données sont fournies dans le Système international d'unités (SI). Les éditions subséquentes à 1982 vont paraître tous les deux ans. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

La première édition d'une série de publications intitulée *Sommaire chronologique des niveaux d'eau* comprenait les données disponibles jusqu'en 1976. Cette série de publications contient un résumé des niveaux moyens mensuels et annuels ainsi que des niveaux extrêmes annuels pour la période d'enregistrement pour toutes les stations de lacs ou de réservoirs où des données sur les niveaux d'eau sont recueillies par la Division des relevés hydrologiques du Canada. Elle renferme également un résumé des niveaux d'eau pour toutes les stations de rivières effectuant «uniquement» des relevés de niveaux d'eau ou pour certaines stations de rivières où des données de débit sont recueillies de même que des données sur les niveaux d'eau qui peuvent répondre aux besoins des utilisateurs (en général, les niveaux d'eau quotidiens de stations effectuant des relevés de débit ne sont pas publiées dans les publications annuelles des données sur les eaux de surface). Les données sont publiées par province ou région, comme c'est le cas pour les publications annuelles des données sur les eaux de surface. À partir de 1979, les données sont fournies dans le Système international d'unités (SI). Les éditions subséquentes à 1983 vont paraître tous les deux ans. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

De 1948 à 1960, on avait recueilli des données pour plusieurs cours d'eau des Prairies en prévision de la réalisation de certains projets. La première publication contenait un choix de ces données ainsi que d'autres, recueillies en 1961 avant le 30 septembre par des stations établies pour la réalisation du programme permanent. La deuxième publication portait sur les données recueillies dans le cadre du programme, au cours des années hydrologiques 1962 et 1963. Toutes les éditions subséquentes intitulées *Données sur les sédiments de rivières canadiennes* étaient publiées annuellement. À partir de 1978, les données sont fournies dans le Système international d'unités (SI).

En 1984, la présentation des données a été modifiée. Le Canada a été divisé en huit régions, une région pour chaque province, sauf le Nouveau-Brunswick, Terre-Neuve, la Nouvelle-Écosse et

New Brunswick, Newfoundland, Nova Scotia and Prince Edward Island, which together form the Atlantic Provinces region, and the Yukon and Northwest Territories which make up another. The publications are identified by the province or territories covered and the year in which the data were collected. These data are published annually on a calendar-year basis and the stations are listed alphabetically.

The first edition of a *Sediment Data Reference Index* was published for data to 1972. It contains a tabulation of locations where sediment data in Canada were collected by the Water Survey of Canada. The index has been subdivided alphabetically by province or territory, with sediment survey stations listed alphabetically. Commencing with the 1978 publication, data are presented in the International System of Units (SI) and will continue to be published every two years. The latest edition supersedes all previous editions since it contains any corrections or additions since the last publication.

The first edition of a new publication series titled *Historical Sediment Data Summary for Canadian Rivers* was produced for data to 1974. This publication contains a summary of historical monthly and annual mean suspended sediment load, and annual extremes of daily suspended sediment concentration and loads and total annual suspended load. Commencing with the 1978 publication, data are presented entirely in the International System of Units (SI). This publication has been discontinued, as much of the information is now included in the new annual *Sediment Data* publication.

EXPLANATION OF HISTORICAL STREAMFLOW SUMMARY PUBLICATION

A. General Description

Descriptive information about a gauging station is given herein below the table of monthly and annual mean discharges. This refers to such items as latitude and longitude, drainage area and whether the flow is natural or regulated (the year that regulation began is given, if known); International Gauging Stations are identified and the names of co-operating agencies who supply data are given; unusual conditions are explained under "Remarks".

This descriptive information (except the "Remarks" statement) is also given in the Surface Water Data Reference Index and the annual Surface Water Data publications. However, these two publications contain additional information not given herein such as the type of gauge, period of record and other pertinent remarks. Historical streamflow data as contained herein are published by province or region and also in alphabetical order as in the annual Surface Water Data publications. However, the Historical Streamflow Summary publications contain data for both active and discontinued streamflow stations and do not contain any water level data. These publications will be published every two years and will contain data for all streamflow stations for the entire period of record not just the data for the intervening two years.

l'Île-du-Prince-Édouard qui, ensemble, forment la région des provinces de l'Atlantique, et les Territoires du Yukon et du Nord-Ouest, qui forment une autre région. Les publications sont nommées selon la région couverte et l'année des données (année civile). Ces publications sont annuelles. Les stations y sont présentées par ordre alphabétique.

La première édition de l'*Index de référence des données sur les sédiments* renfermait les données disponibles jusqu'en 1972. Elle comprenait une mise en tableaux des emplacements où des données sur les sédiments sont recueillies au Canada par la Division des relevés hydrologiques. L'Index est subdivisé alphabétiquement par province ou territoire et les stations de relevés des sédiments sont classées en ordre alphabétique. À partir de 1978, les données sont fournies dans le Système international d'unités (SI) et sont publiées tous les deux ans. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

La première édition d'une nouvelle série de publications intitulée *Sommaire chronologique des données sur les sédiments de rivières canadiennes* renfermait les données disponibles jusqu'en 1974. Cette série présente un résumé des moyennes mensuelles et annuelles de la charge de sédiments en suspension, des extrêmes annuels de la concentration quotidienne et de la charge quotidienne des sédiments en suspension, ainsi que de la charge totale annuelle des sédiments en suspension. À partir de 1978, les données sont fournies dans le Système international d'unités (SI). Cette série a été abandonnée, car une bonne partie de l'information est maintenant contenue dans la nouvelle publication annuelle intitulée *Données sur les sédiments*.

EXPLICATION DU *SOMMAIRE CHRONOLOGIQUE DE L'ÉCOULEMENT*

A. Description générale

Sous ce titre on trouve les renseignements descriptifs pour une station de relevés de l'écoulement, qui sont fournis après l'extrait des moyennes mensuelles et annuelles. Il s'agit de la latitude et de la longitude; de la superficie du bassin versant; du débit reconnu comme naturel ou régularisé (on indique l'année où la régularisation a débuté, si elle est connue); des stations internationales de jaugeage et des noms des organismes ayant fourni des données ainsi que des précisions sur les conditions spéciales qui prévalaient à la station (elles figurent dans les «Remarques»).

On trouvera également ces renseignements descriptifs (sauf les «Remarques») dans l'*Index de référence des données sur les eaux de surface* et dans les publications annuelles des *Données sur les eaux de surface*. Cependant, ces dernières traitent d'information additionnelles telles que du type de jauge, de la période d'enregistrement et d'autres remarques pertinentes. Les données historiques sur l'écoulement, qui sont contenues dans la présente publication, sont subdivisées en ordre alphabétique selon les provinces ou les territoires comme pour les publications annuelles des *Données sur les eaux de surface*. Par contre, le *Sommaire chronologique de l'écoulement* contient des données non seulement de stations en opération, mais aussi de stations qui ne le sont plus; aucune donnée sur le niveau des eaux n'est toutefois fournie. Cette publication paraîtra tous les deux ans et portera sur les données de toutes les stations de relevés de l'écoulement pour toute la période d'enregistrement plutôt que sur les données qui ne couvrent que les deux années.

B. Method of Tabulation of Data

For gauging stations where systematic streamflow data have been obtained, the following are given for the period of record to 1986 inclusive:

1. Summary of monthly and annual mean discharges;
2. Annual maximum instantaneous discharges;
3. Annual maximum and minimum daily discharges;
4. Identification of the extreme recorded for the period of record;
5. Annual total discharge in cubic decametres.

The following standard symbols are used opposite the daily discharge to which they apply. These symbols will not appear opposite the monthly and annual mean discharges, but will appear with the annual maximum instantaneous value and the annual maximum and minimum daily values, if applicable:

A – Manual Gauge – indicates that one or more manual gauge observations per day were obtained and used as the mean for the day for a gauging station equipped with a recording gauge during that particular year. A station may have several periods of recording or manual gauges throughout its history. For more details concerning the type of gauge operated during the period of record, the *Surface Water Data Reference Index* should be consulted. This symbol is used during open-water periods only.

B – Ice Conditions – indicates that for a gauging station where discharge data are obtained the presence of ice has affected the stage-discharge relationship.

E – Estimated – indicates any estimated data. It indicates that the value was determined by some indirect method such as interpolation, extrapolation, estimation from a graph of observed readings, comparison with other streams or by comparison with meteorological data.

R – Revised – indicates that a revision, correction or addition has been made to the historical discharge data base after January 1, 1986.

1. *The summary of monthly and annual mean discharge* gives:

(a) the monthly mean in cubic metres per second for each month for which there is a complete month of daily discharges. Records of daily discharges for partial months, if obtained, are published in annual publications or are available from the Regional Chief;

(b) the annual mean discharge in cubic metres per second if there are daily discharges for the complete year. In some cases a mean discharge is computed for a standard period within the year, say March to October. This is then computed for all the years for which there are daily discharge records from March to October, if there are also records for other months, say January to October, the mean is given for March to October only;

B. Présentation sous forme de tableaux des données

Pour les stations où on a effectué un relevé systématique de l'écoulement, les données suivantes sont présentées pour la période d'enregistrement allant jusqu'en 1986 inclusivement:

1. Un extrait des moyennes mensuelles et annuelles;
2. Un tableau des valeurs annuelles maximales instantanées;
3. Un tableau des valeurs quotidiennes maximale et minimale annuelles;
4. Un tableau des valeurs extrêmes enregistrées pour toute la periode d'observation;
5. Un résumé de l'écoulement annuel total en décamètres cubes.

Les symboles normalisés donnés ci-après sont inscrits à côté des débits quotidiens auxquels ils se rapportent. Les symbols ne sont fournis ni avec les débits moyens mensuels, ni avec les débits moyens annuels, mais ils paraissent avec les valeurs appropriées, c'est-à-dire la valeur instantanée maximale annuelle et les valeurs quotidiennes maximale et minimale annuelles:

A – Jauge manuelle – indique qu'on a effectué à une station de jaugeage dotée d'une jauge enregistreuse au moins une observation par jour à l'aide d'une jauge manuelle et qu'on s'en est servi comme moyenne quotidienne pour l'année en question. Toute station peut comporter diverses périodes où les relevés sont effectués soit à partir d'une jauge enregistreuse, soit à l'aide d'une jauge manuelle. Pour obtenir d'autres renseignements sur le genre de jauge qui a servi lors de la période d'observation, il faut consulter l'*Index de référence des données sur les eaux de surface*. Le symbole n'est employé qu'au cours de périodes d'eau libre.

B – Glaces – indique, pour les données portant sur le débit, que la présence de glaces à la station de jaugeage a faussé la relation hauteur-débit.

E – Estimatives – indique une donnée estimative, c'est-à-dire qu'on a déterminé la valeur de façon indirecte, par exemple par interpolation, extrapolation, à l'aide de graphique, ou par comparaison avec d'autres cours d'eau ou avec des données météorologiques.

R – Révisé – indique qu'il y a eu révision, correction ou addition à la base des données chronologiques des débits après le 1er janvier 1986.

1. *L'extrait des moyennes mensuelles et annuelles* (The summary of monthly and annual mean discharges) donne:

(a) la moyenne mensuelle, exprimée en mètres cubes par seconde, des valeurs quotidienne de l'écoulement pour le mois entier. Pour les stations où on n'a mesuré l'écoulement quotidien que pour une partie du mois, les données paraissent dans les publications annuelles ou peuvent être obtenues du chef régional;

(b) la moyenne annuelle, en mètres cubes par seconde, pour les stations où on a obtenu des relevés quotidiens pour une année entière. Dans certains cas, la moyenne est calculée pour une période bien définie de l'année, par exemple pour mars à octobre. On donne donc la moyenne annuelle des relevés quotidiens effectués pour cette même période de l'année. S'il existe des données pour une autre partie de l'année, telle que pour janvier à octobre, la moyenne n'est toujours fournie que pour la période bien définie de mars à octobre;

(c) the mean of all the monthly means;

(d) the mean of all the annual or standard period means.

2. *The annual maximum instantaneous discharge* in cubic metres per second is given for each year if available. This figure is usually available if the station is equipped with a recording gauge. It may also be estimated from high water marks or from a graph of observed water level readings during the day.

3. *The annual maximum and minimum daily discharges* in cubic metres per second are given for each year where daily discharges have been obtained for the entire year (or standard period within the year, e.g. March to October), or where they are considered to be valid for the year even though some daily discharges are missing.

4. *The extreme recorded for the period of record* is identified by an asterisk within the table of annual maximum instantaneous, maximum daily and minimum daily values.

5. *The annual total discharge* in cubic decametres is given for each year where daily discharges have been obtained for the entire year. If a standard period such as March to October has been selected, the figure applies to only those months, similar to the mean discharge in cubic metres per second.

REVISIONS

A number of corrections or revisions have been made to previously published data. Many of these were required because of typographical or computational errors which were exposed when daily discharges were stored on magnetic tape and monthly means were re-calculated by computer. Other errors were discovered or different interpretations of basic data were made during the systematic review of historical streamflow data presently underway, for example, these revisions may have been justified because a more reliable stage-discharge relationship had been developed.

Revisions to daily discharges or daily water levels are not published at present. However, those stations where a systematic review has been conducted are identified in the Surface Water Data Reference Index publication. The Historical Streamflow Summary publications contain revisions to monthly and annual mean discharges, and annual extremes of discharge. The Historical Water Levels Summary publications contain revisions to monthly and annual mean water levels, and annual extremes of water level. Revisions, corrections or additions made to the discharges and water levels after January 1, 1986 are indicated by an "R" symbol in the summary publications. Detailed information on revisions to historical data is available from the appropriate Regional Chief.

(c) la moyenne de toutes les moyennes mensuelles;

(d) la moyenne de toutes les moyennes annuelles ou de toutes les moyennes pour une période bien définie.

2. *Le tableau des valeurs annuelles maximales instantanées* (The annual maximum instantaneous discharge) exprimées en mètres cubes par seconde, est fourni pour toute année où des données sont disponibles. La majorité des stations munies de jauges enregistreuses détiennent ces données. Elles peuvent également être évaluées à partir du niveau des hautes eaux ou d'un graphique illustrant le niveau quotidien.

3. *Le tableau des valeurs quotidiennes minimale et maximale annuelles* (The annual maximum and minimum daily discharges), exprimées en mètres cubes par seconde, donne les valeurs pour les stations où on a fait des relevés quotidiens pour une année entière ou pour une période bien définie de l'année, par exemple pour mars à octobre, ou lorsqu'on considère que les valeurs sont valables pour toute l'année même si quelques débits quotidiens ne sont pas disponibles.

4. *Le tableau des valeurs extrêmes enregistrées pour toute la période d'observation* (The extreme recorded for the period of record) est indiqué par un astérisque et est compris avec les valeurs annuelles maximales instantanées et les valeurs quotidiennes minimale et maximale annuelles.

5. *Le résumé de l'écoulement annuel total* (The annual total discharge), en décamètres cubes, est indiqué pour les stations où on a fait des relevés quotidiens pour une année entière. Si on a choisi une période bien définie de l'année, par exemple de mars à octobre, la valeur n'a trait qu'à ces mois, tout comme la moyenne mensuelle, en mètres cubes par seconde.

RÉVISIONS

On a corrigé ou révisé beaucoup de données déjà publiées. Il a été nécessaire d'effectuer plusieurs corrections, car on a relevé des erreurs typographiques ou de calculs lorsqu'on a enregistré les débits quotidiens sur rubans magnétiques et qu'on a recalculé à l'aide d'ordinateurs les moyennes mensuelles. On a aussi relevé d'autres erreurs ou fait des interprétations différentes de données de base au cours de la révision rétrospective systématique des données de débit qu'on est à faire en ce moment. Ainsi, on peut justifier des corrections, par le fait qu'on ait trouvé une relation hauteur-débit plus sûre.

Les corrections apportées aux débits quotidiens ou aux niveaux d'eau quotidiens ne sont pas publiées, du moins pour le moment. Cependant, les stations où on a effectué une révision systématique sont identifiées dans l'*Index de référence des données sur les eaux de surface*. Les publications intitulées *Sommaire chronologique de l'écoulement* contiennent des données sur les moyennes mensuelles et annuelles des débits et sur les extrêmes annuels des débits qu'on a révisées. Les publications intitulées *Sommaire chronologique des niveaux d'eau* renferment les révisions apportées aux niveaux moyens mensuels et annuels ainsi que les extrêmes annuels. Les révisions et corrections apportées aux débits et aux niveaux d'eau après le 1er janvier 1986 sont accompagnées du symbole «R» dans les publications sommaires. On peut obtenir plus de détails sur les révisions en s'adressant au chef régional concerné.

ACCURACY OF HYDROMETRIC DATA

The overall accuracy or the degree of reliability of hydrometric data referred to herein, depends upon

(1) The type of gauge, stability of gauge, accuracy of observation of stage and measurement of reference datum,

(2) The stability of the stage-discharge relationship; or if the control is unstable, the frequency and accuracy of discharge measurements, and

(3) The computation procedures and interpretation of records.

Because of all these variable factors, the number of significant figures used herein has been standardized for uniformity of presentation and does not reflect the degree of accuracy of the data. The Water Resources Branch standard for storing water level data is to three decimal points (0.001 m), although some contributing agencies provide data to two decimal points (0.01 m).

A measure of the reliability of the records can be made by an examination of the distribution of the symbols A, E and B (for discharge data).

In general, data collected during open-water periods are more reliable than those collected during periods of ice conditions or those obtained by estimation. Further, water level data collected utilizing a water-stage recorder are more reliable and accurate than those using a manual gauge only, especially for small or flashy streams.

MICROFICHE

All published daily discharge, water level and sediment data are available in metric units on microfiche, upon request. The data are stored in station number order by province. There are 270 frames per microfiche at 48X reduction; there is a visible heading showing the fiche number, type of data, province, beginning and ending station number and year of data, and the month/year the fiche was created. The last frame is an index of the contents of that fiche.

EXACTITUDE DES DONNÉES HYDROMÉTRIQUES

La precision totale ou le degré d'exactitude des données hydrométriques dont on parle ici sont basés sur

(1) Le type de jauge, la stabilité de la gauge, la précision des observations sur les niveaux et de la mesure de la donnée de référence,

(2) La stabilité de la relation hauteur-débit ou, si l'élément régulateur est changeant, sur la fréquence et la précision des mesures de débits, et

(3) L'évaluation des procédés et l'interprétation des chiffres.

À cause de toutes les variables déjà mentionnées, on a normalisé pour des fins d'uniformité de présentation le nombre de chiffres significatifs, mais ceci ne réflète pas le degré d'exactitude des données. Dans la Direction des ressources en eau, les normes de cueillette des données sur le niveau des eaux sont de l'ordre de trois décimales (0.001 m) alors que certains organismes dans ce domaine n'exigent que deux décimales (0.01 m).

L'exactitude des données peut être appréciee par l'examen de la répartition des symboles A, E et B (pour les données de débits).

En général, les données recueillies au cours des périodes d'eau libre sont plus sûres que celles qui sont obtenues au cours des périodes de glaces ou par estimation. De plus, les données sur le niveau des eaux qui sont mesurées à l'aide d'un limnigraphe sont plus certaines et plus exactes que celles qui sont mesurées à l'aide d'une jauge manuelle seulement, surtout dans le cas de petits cours d'eau ou de cours d'eau à crues très rapides.

MICROFICHE

Toutes les données publiées concernant les débits quotidiens, les niveaux d'eau et les sédiments sont disponibles sur microfiche en unités métriques aux usagers qui en font la demande. Ces données sont emmagasinées par ordre de numéro de station et par province. Chaque microfiche renferme 270 pages réduites de 48X. L'en-tête indique le numéro de la fiche, le genre de données, la province, le numéro de la première et de la dernière station, celui de la première et de la dernière annee de cueillette ainsi que le mois et l'année de préparation de la fiche. La dernière image donne l'index du contenu de la fiche.

STREAMFLOW DATA/DONNÉES SUR L'ÉCOULEMENT

ADAMS CREEK NEAR KINUSO - STATION NO. 07BJ004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	0.038	2.98	2.84	1.28	0.218	0.284	4.48	0.894	---	---	1.57	1978
1979	---	---	0.026	1.35	6.58	5.07	7.96	0.392	0.242	0.201	---	---	2.73	1979
1980	---	---	0.001	1.09	1.13	1.01	1.85	1.89	2.85	0.884	---	---	1.25	1980
1981	---	---	0.255	2.38	2.01	1.34	0.755	0.091	0.071	0.199	---	---	0.880	1981
1982	---	---	0	0.679	3.88	0.479	1.62	2.38	0.192	0.183	---	---	1.17	1982
1983	---	---	0	0.857	0.875	8.75	6.69	0.825	0.555	0.682	---	---	2.12	1983
1984	---	---	0.144	1.76	2.80	2.70	0.853	0.359	1.35	0.816	---	---	1.28	1984
1985	---	---	0.142	3.51	5.37	1.32	0.320	0.146	1.86	1.38	---	---	1.75	1985
1986	---	---	0.108	2.43	3.88	1.08	8.30	1.91	0.555	0.906	---	---	2.03	1986
MEAN	---	---	0.078	1.86	3.28	2.34	2.79	0.930	1.33	0.585	---	---	1.84	MEAN

LOCATION - LAT 55 13 05 N
LONG 115 20 03 W
DRAINAGE AREA, 138 km²
NATURAL FLOW

ADAMS CREEK NEAR KINUSO - STATION NO. 07BJ004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1978	61.2 AT 10:00 MST ON SEP 17	43.0 ON SEP 17	0.0088 ON MAR 2	33 300	1978
1979	99.6 AT 14:30 MST ON JUL 1	44.9 ON JUL 1	0.0128 ON MAR 1	57 800	1979
1980	12.5 AT 22:30 MST ON AUG 6	6.75 ON AUG 6	0 B ON MAR 1 *	26 500	1980
1981	13.2 AT 18:00 MST ON APR 24	7.99 ON APR 24	0.0088 ON MAR 1	18 600	1981
1982	28.4 AT 23:50 MST ON AUG 3	17.7 ON AUG 4	0 B ON MAR 1	24 800	1982
1983	100 AT 15:30 MST ON JUN 25 *	54.8 ON JUN 25 *	0 B ON MAR 1	44 900	1983
1984	18.7 AT 15:00 MST ON JUN 7	14.0 ON JUN 7	0.0408 ON MAR 14	27 300	1984
1985	23.0 AT 21:00 MST ON MAY 3	15.8 ON MAY 3	0.0408 ON MAR 1	37 100	1985
1986	81.8 AT 04:00 MST ON JUL 18	40.9 ON JUL 18	0.0388 ON MAR 18	43 000	1986
				34 800	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

AETNA CREEK AT HIGHWAY NO. 501 - STATION NO. 05AE012

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1986	---	---	---	---	---	0.322	0.183	0.174	0.193	0.078	---	---	---	1986
MEAN	---	---	---	---	---	0.322	0.183	0.174	0.193	0.078	---	---	---	MEAN

LOCATION - LAT 49 08 00 N
LONG 113 15 00 W
DRAINAGE AREA, 32.6 km²
REGULATED
DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

AETNA CREEK AT HIGHWAY NO. 501 - STATION NO. 05AE012

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1986	1.01 AT 22:10 MST ON JUN 6 *	0.514 ON JUN 6 *	0 ON MAY 27 *	---	1986
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

ALBERTA POWER LIMITED COOLING POND OUTLET - STATION NO. 05CC007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1985	---	---	---	---	0.104	0.181	0.529	0.170	0.132	0	---	---	---	1985
1986	---	---	0	0	0.072	0.400	0.594	0.100	0.582	0.135	---	---	0.270	1986
MEAN	---	---	0	0	0.088	0.291	0.562	0.135	0.507	0.063	---	---	0.270	MEAN

LOCATION - LAT 51 25 33 N
LONG 111 48 00 W
REGULATED

ALBERTA POWER LIMITED COOLING POND OUTLET - STATION NO. 05CC007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1985	---	1.62 ON MAY 12 *	0E ON MAY 1 *	---	1985
1986	---	1.53 ON SEP 27	0 ON MAR 1	5 720	1986
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		5 720	MEAN

E - ESTIMATED

ALBERTA RAILWAY AND IRRIGATION CO. CANAL AT SPRING COULEE - STATION NO. 05AE010

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	11.4	17.1	17.5	14.0	---	---	---	---	---	1914
1915	---	---	---	---	8.97	8.83	6.42	5.42	5.47	---	---	---	---	1915
1916	---	---	---	---	5.15	5.20	6.53	6.91	4.81	1.12	---	---	5.14	1916
1917	---	---	---	---	---	7.65	12.5	11.6	5.85	---	---	---	---	1917
1918	---	---	---	---	9.21	14.3	15.4	12.4	10.2	---	---	---	---	1918
1919	---	---	---	---	9.59	18.7	15.0	8.15	6.77	---	---	---	---	1919
1920	---	---	---	---	---	14.9	20.3	14.4	13.6	12.8	---	---	---	1920
1921	---	---	---	---	10.5	20.9	23.4	15.9	10.7	---	---	---	---	1921
1922	---	---	---	---	10.5	19.5	19.5	14.6	8.49	4.84	---	---	12.8	1922
1923	---	---	---	---	10.7	12.8	12.6	12.4	13.4	9.14	---	---	11.8	1923
1924	---	---	---	---	13.4	16.0	21.4	14.0	9.84	---	---	---	---	1924
1925	---	---	---	---	---	22.1	19.8	14.7	11.2	---	---	---	---	1925
1926	---	---	---	---	14.2	15.1	12.9	7.98	11.1	---	---	---	---	1926
1927	---	---	---	---	5.22	5.42	10.3	12.5	9.74	4.88	---	---	7.87	1927
1928	---	---	---	---	---	13.3	2.89	7.76	11.5	---	---	---	---	1928
1929	---	---	---	---	---	5.48	12.9	9.02	5.81	---	---	---	---	1929
1930	---	---	---	---	7.90	19.4	19.2	9.81	6.33	---	---	---	---	1930
MEAN	---	---	---	---	9.81	13.8	14.6	11.3	9.26	6.48	---	---	9.45	MEAN

LOCATION - LAT 49 20 02 N
LONG 113 02 42 W REGULATED

ALBERTA RAILWAY AND IRRIGATION CO. CANAL AT SPRING COULEE - STATION NO. 05AE010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	18.1 ON JUL 1	5.55 ON MAY 1	---	1914
1915	---	10.5 ON JUN 5	---	---	1915
1916	---	10.8 ON MAY 24	0 ON OCT 12 *	61 700	1916
1917	---	14.8 ON JUL 11	---	---	1917
1918	---	18.0 ON JUN 30	---	---	1918
1919	---	21.2 ON SEP 12	---	---	1919
1920	---	24.4E ON JUL 4	---	---	1920
1921	---	27.5 ON JUL 3 *	---	---	1921
1922	---	25.3 ON JUL 5	0 ON OCT 13	304 000	1922
1923	---	18.6 ON MAY 31	0.425E ON OCT 6	188 000	1923
1924	---	27.1 ON JUL 20	---	---	1924
1925	---	24.2 ON JUN 12	---	---	1925
1926	---	18.7 ON JUN 10	---	---	1926
1927	---	14.6 ON AUG 10	0 ON SEP 14	127 000	1927
1928	---	23.3 ON JUN 5	---	---	1928
1929	---	15.3 ON JUN 30	---	---	1929
1930	---	25.2 ON JUL 1	---	---	1930
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		180 000	MEAN

E - ESTIMATED

ALBERTA RAILWAY AND IRRIGATION CO. CANAL NEAR KIMBALL - STATION NO. 05AE003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	8.19	17.8	16.2	13.4	11.7	---	---	---	---	1910
1911	---	---	---	---	7.82	---	---	11.0	---	---	---	---	---	1911
1912	---	---	---	---	7.35	14.2	9.33	8.44	8.75	0.255	---	---	---	1912
1913	---	---	---	---	7.41	14.8	9.94	10.8	9.84	2.87	---	---	---	1913
1914	---	---	---	0.534	12.9	18.7	18.9	15.3	10.4	1.80	---	---	11.4	1914
1915	---	---	---	0.581	9.13	8.84	8.28	5.81	5.89	1.89	---	---	5.55	1915
1916	---	---	---	0.301	5.75	5.12	5.98	5.93	4.95	1.00	---	---	4.44	1916
MEAN	---	---	---	0.472	8.34	13.4	11.3	10.2	8.72	1.48	---	---	7.13	MEAN

LOCATION - LAT 49 07 53 N
LONG 113 06 58 W REGULATED

ALBERTA RAILWAY AND IRRIGATION CO. CANAL NEAR KIMBALL - STATION NO. 05AE003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	24.3 ON JUN 20 *	---	---	1910
1911	---	---	---	---	1911
1912	---	14.8 ON JUN 19	0 ON OCT 3 *	---	1912
1913	---	15.3 ON JUN 17	0 ON OCT 19	---	1913
1914	---	20.6 ON JUN 23	0 ON APR 1	210 000	1914
1915	---	10.8 ON MAY 22	0 ON APR 1	103 000	1915
1916	---	8.83 ON MAY 21	0 ON APR 1	82 100	1916
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		132 000	MEAN

ALKALI CREEK NEAR THE MOUTH - STATION NO. 05CK005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1962	---	---	---	---	---									
1963	---	---	0.019	0.007	0.001	0	0	0	0	0	---	---	---	1962
1964	---	---	0	0.010	0.008	0	0	0	0	0	---	---	0.003	1963
							0	0	0	0	---	---	0.002	1964
1965	---	---	0.010	5.49	0.018	0.004	0	0	0	0	---	---	0.676	1965
1966	---	---	0.661	0.012	0.006	0.003	0	0	0	0	---	---	0.088	1966
1967	---	---	0.004	0.860	0.018	0.001	0	0	0	0	---	---	0.081	1967
1968	---	---	0.002	0.003	0.002	0.002	0	0	0	0	---	---	0.001	1968
1969	---	---	0	5.78	0.008	0	0	0	0	0	---	---	0.708	1969
1970	---	---	0.046	0.158	0.004	0.001	0.001	0	0	0	---	---	0.031	1970
1971	---	---	0	1.46	0.014	0	0	0	0	0	---	---	0.181	1971
1972	---	---	0.042	0.018	0.014	0	0	0	0	0	---	---	0.008	1972
1973	---	---	0.053	0.027	0.015	0.025	0.001	0	0	0	---	---	0.128	1973
1974	---	---	0	1.85	0.082	0.010	0	0	0	0	---	---	0.212	1974
1975	---	---	0	0.316	0.055	0.018	0.001	0	0	0	---	---	0.036	1975
1976	---	---	0.043	0.103	0.015	0	0	0	0	0	---	---	0.020	1976
1977	---	---	0.003	0.002	0	0	0	0	0	0	---	---	0.001	1977
1978	---	---	0.013	0.082	0.012	0.004	0	0	0	0	---	---	0.009	1978
1979	---	---	0.139	0.033	0.011	0.001	0	0	0	0	---	---	0.022	1979
1980	---	---	0.017	0.007	0	0	0	0	0	0	---	---	0.003	1980
1981	---	---	0.005	0.002	0.004	0.004	0	0	0	0	---	---	0.002	1981
1982	---	---	0.001	0.008	0.008	0.002	0	0	0	0	---	---	0.002	1982
1983	---	---	0.012	0.015	0.012	0	0.027	0	0	0	---	---	0.008	1983
1984	---	---	0.012	0.013	0.001	0.001	0	0	0	0	---	---	0.004	1984
1985	---	---	0.035	0.786	0.008	0	0	0	0	0	---	---	0.101	1985
1986	---	---	0.007	0.005	0.005	0.003	0	0	0.002	0.004	---	---	0.003	1986
MEAN	---	---	0.025	0.867	0.012	0.003	0.001	0	0	0	---	---	0.087	MEAN

LOCATION - LAT 50 53 54 N, LONG 110 30 30 W. DRAINAGE AREA, 550 km². NATURAL FLOW

ALKALI CREEK NEAR THE MOUTH - STATION NO. 05CK005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1962	---	---			
1963	---	---	0 ON JUN 1 *	---	1962
1964	---	0.0348 ON MAR 22	0 ON MAY 8	73.3	1963
		0.048 ON MAY 5	0 ON MAR 1	46.1	1964
1965	88.1 AT 13:30 MST ON APR 10 *	30.8 ON APR 10			
1966	---	3.79 ON MAR 17	0B ON MAR 1	14 300	1965
1967	---	6.05 ON APR 15	0E ON MAR 1	1 830	1966
1968	---	0.014 ON MAY 31	0B ON MAR 1	1 720	1967
1969	62.2 AT 08:30 MST ON APR 10	37.7 ON APR 9 *	0B ON MAR 1	22.1	1968
1970	---		0B ON MAR 1	15 000	1969
1971	11.1 AT 12:30 MST ON APR 14	0.9288 ON APR 6	0B ON MAR 1		
1972	---	8.18 ON APR 14	0B ON MAR 1	852	1970
1973	6.85 AT 18:40 MST ON MAR 25	0.3688 ON MAR 20	0B ON MAR 1	3 830	1971
1974	9.46 E ON APR 15	3.82 ON MAR 25	0B ON MAR 1	185	1972
		8.72 E ON APR 15	0B ON MAR 1	2 730	1973
1975	2.64 AT 18:00 MST ON APR 23	1.44 ON APR 23	0B ON MAR 1	4 480	1974
1976	1.39 E AT 15:00 MST ON APR 1	0.8718 ON APR 1	0B ON MAR 1	755	1975
1977	---	0.0088 ON MAR 17	0B ON MAR 1	432	1976
1978	---	0.0918 ON APR 4	0B ON MAR 1	14.8	1977
1979	---	0.5808 ON MAR 12	0B ON MAR 1	185	1978
1980	---	0.0778 ON MAR 28	0B ON MAR 1	480	1979
1981	0.026 AT 04:30 MST ON JUN 18	0.025 ON JUN 18	0B ON MAR 1	85.4	1980
1982	0.015 AT 13:50 MST ON APR 23	0.015 ON APR 23	0 ON APR 28	42.2	1981
1983	1.28 AT 19:29 MST ON JUL 30	0.216 ON JUL 21	0B ON MAR 1	44.0	1982
1984	---	0.0348 ON MAR 24	0 ON MAY 27	178	1983
1985	13.3 E AT 18:11 MST ON APR 6	7.02 E ON APR 5	0B ON MAR 1	74.6	1984
1986	---	0.039 ON JUN 19	0B ON MAR 1	2 150	1985
			0 ON MAY 28	88.7	1986
				2 080	MEAN

E - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

AMISK CREEK NEAR SHONTS - STATION NO. 05EB016

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---									
1976	---	---	0.280	0.826	0.007	0.008	0	0	0	0	---	---	---	1975
1977	---	---	0	0.006	0.183	0	0.007	0	0	0	---	---	0.111	1976
1978	---	---	0.245	0.483	0.001	0.089	0	0	0	0	---	---	0.030	1977
1979	---	---	2.35	1.46	0.117	0.013	0	0	0.703	0.048	---	---	0.185	1978
						0.036	0.026	0.007	0	0	---	---	0.487	1979
1980	---	---	0	1.76	0.088	0	0	0	0	0	---	---	0.221	1980
1981	---	---	1.07	0.251	0.049	0.012	0	0	0	0	---	---	0.173	1981
1982	---	---	0	0.737	0.089	0	1.20	0.007	0.004	0	---	---	0.257	1982
1983	---	---	0	1.43	0.010	0.807	1.84	0	0	0	---	---	0.508	1983
1984	---	---	0.147	0.080	0.012	0.088	0.047	0.006	0.005	0.014	---	---	0.050	1984
1985	---	---	2.31	1.11	0.128	0.025	0.002	0	0	0	---	---	0.448	1985
1986	---	---	2.46	0.188	0.188	0.018	0.017	0.007	0	0	---	---	0.384	1986
MEAN	---	---	0.707	0.739	0.073	0.090	0.282	0.002	0.059	0.005	---	---	0.258	MEAN

LOCATION - LAT 53 18 35 N, LONG 113 33 10 W. DRAINAGE AREA, 377 km². NATURAL FLOW

AMISK CREEK NEAR SHONTS - STATION NO. 05EB015

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1976	---	---	0 ON JUN 21 *	---	1976
1976	---	2.83 B ON MAR 31	0B ON MAR 1	2 380	1976
1977	0.991 AT 01:00 MST ON MAY 20	0.926 ON MAY 20	0B ON MAR 1	833	1977
1978	3.40 B AT 16:20 MST ON MAR 29	2.85 ON SEP 16	0B ON MAR 1	3 810	1978
1979	12.2 AT 23:50 MST ON MAR 18	11.4 ON MAR 19	0 ON MAR 1	10 300	1979
1980	13.6 AT 22:50 MST ON APR 13	12.3 ON APR 14	0B ON MAR 1	4 880	1980
1981	7.27 AT 00:50 MST ON MAR 16	5.98 B ON MAR 16	0B ON MAR 1	3 880	1981
1982	6.45 AT 15:17 MST ON APR 23	5.54 ON JUL 6	0B ON MAR 1	5 450	1982
1983	---	6.29 ON APR 7	0B ON MAR 1	10 700	1983
1984	---	0.5288 ON MAR 28	0B ON MAR 1	1 080	1984
1985	14.0 B AT 13:00 MST ON MAR 20 *	14.0 B ON MAR 20 *	0B ON MAR 1	9 470	1985
1986	---	5.80 B ON MAR 3	0 ON MAY 4	7 710	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		5 460	MEAN

AMISK RIVER AT HIGHWAY NO. 36 - STATION NO. 08AA002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	1.37	24.3	18.9	12.7	30.0	6.43	3.70	2.08	---	---	12.7	1971
1972	---	---	0.783	8.55	16.8	3.87	1.46	0.989	0.897	0.636	---	---	4.28	1972
1973	---	---	0.084	1.78	1.74	9.85	2.76	3.73	3.18	1.88	---	---	3.06	1973
1974	---	---	0.978	23.6	32.7	10.6	9.37	3.51	2.25	1.76	---	---	10.6	1974
1975	---	---	0.782	5.38	7.46	4.23	11.3	3.86	12.4	3.22	---	---	5.06	1975
1976	---	---	1.00	8.34	2.73	1.47	5.36	0.729	0.683	0.340	---	---	2.59	1976
1977	---	---	0.397	4.83	9.80	4.81	1.43	2.00	2.35	5.17	---	---	4.00	1977
1978	---	---	0.548	8.02	5.80	25.2	4.26	1.85	13.6	9.08	---	---	8.83	1978
1979	---	---	2.82	11.3	21.7	12.5	11.5	5.67	3.05	1.36	---	---	8.76	1979
1980	---	---	0.518	4.84	1.04	0.595	0.444	2.52	2.48	2.21	---	---	1.82	1980
1981	---	---	2.15	4.87	1.78	1.11	2.38	0.804	0.259	0.083	---	---	1.89	1981
1982	---	---	0	2.39	1.88	0.247	0.114	0.026	0.001	0	---	---	0.578	1982
1983	---	---	0.010	1.03	0.472	1.11	5.88	3.80	2.15	1.30	0.828	---	1.86	1983
1984	---	---	0.755	3.04	2.01	11.1	1.36	0.107	0.174	0.773	---	---	2.38	1984
1985	---	---	0.156	5.08	5.98	0.814	0.198	0.030	0.007	0.239	---	---	1.57	1985
1986	---	---	0.200	1.79	0.730	0.525	5.16	3.88	0.309	0.252	---	---	2.00	1986
MEAN	---	---	0.787	7.45	8.41	5.30	6.00	2.82	3.00	1.95	0.828	---	4.56	MEAN

LOCATION - LAT 54 28 20 N
LONG 112 01 00 W
DRAINAGE AREA, 2 510 km^2
NATURAL FLOW

AMISK RIVER AT HIGHWAY NO. 36 - STATION NO. 08AA002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	---	60.6 ON APR 24 *	1.27 B ON MAR 14	288 000	1971
1972	24.6 AT 11:40 MST ON MAY 3	24.6 ON MAY 3	0.450A ON OCT 31	90 600	1972
1973	25.5 AT 17:45 MST ON JUN 18	25.3 ON JUN 18	0.0288 ON MAR 1	85 100	1973
1974	51.3 AT 01:30 MST ON APR 24	51.3 ON APR 24	0.7938 ON MAR 23	224 000	1974
1975	22.7 AT 18:30 MST ON SEP 4	22.5 ON SEP 4	0.7228 ON MAR 12	128 000	1975
1976	15.4 AT 00:00 MST ON APR 11	14.1 ON APR 11	0.178 ON OCT 9	54 800	1976
1977	18.1 AT 07:00 MST ON MAY 20	16.0 ON MAY 20	0.258 ON SEP 20	84 600	1977
1978	52.4 AT 05:20 MST ON JUN 1 *	52.1 ON JUN 1	0.1028 ON MAR 8	187 000	1978
1979	34.8 AT 04:10 MST ON MAY 2	34.8 ON MAY 2	0.974 ON OCT 24	185 000	1979
1980	---	7.138 ON APR 11	0.080E ON AUG 2	38 500	1980
1981	8.868 AT 02:00 MST ON APR 1	8.218 ON APR 1	0.049 ON OCT 20	35 800	1981
1982	---	7.408 ON APR 24	0 B ON MAR 1 *	12 200	1982
1983	12.5 AT 21:01 MST ON JUL 23	12.4 ON JUL 23	0 B ON MAR 1	41 500	1983
1984	18.4 AT 22:18 MST ON JUN 8	18.3 ON JUN 9	0.005E ON AUG 31	50 400	1984
1985	---	10.5 ON APR 24	0.001E ON AUG 20	33 200	1985
1986	20.9 AT 12:38 MST ON JUL 24	20.8 ON JUL 24	0.010B ON MAR 5	42 300	1986
	A - MANUAL GAUGE (SEE REFERENCE INDEX)	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD	85 300	MEAN

ANTELOPE COULEE SPILLWAY - STATION NO. 05BN010

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	---	---	---	---	0.425	0.484	0.822	0.452	0.356	0.362	---	---	0.445	1959
1960	---	---	---	---	0.374	1.21	0.722	0.851	1.17	0.674	---	---	0.831	1960
1961	---	---	---	---	0.313	0.589	0.493	0.272	0.316	0.139	---	---	0.353	1961
1962	---	---	---	0.188	0.386	0.399	0.381	0.254	0.181	0.093	---	---	0.270	1962
1963	---	---	---	---	0.321	0.184	0.162	0.120	0.121	0.133	---	---	0.170	1963
1964	---	---	---	---	0.113	0.648	0.185	0.187	0.053	0.031	---	---	0.185	1964
1965	---	---	---	---	0.057	0.315	0.083	0.073	0.002	0.087	---	---	0.102	1965
1966	---	---	---	---	0.219	0.414	0.157	0.057	0.056	0.075	---	---	0.162	1966
1967	---	---	---	---	0.011	0.317	0.472	0.155	0.101	0.272	---	---	0.221	1967
1968	---	---	---	---	0.442	0.342	0.381	0.055	0.184	0.220	---	---	0.288	1968
1969	---	---	---	---	0.113	0.405	0.822	0.135	0.084	0.098	---	---	0.283	1969
1970	---	---	---	---	0.110	0.236	0.132	0.309	0.201	0.133	---	---	0.187	1970
1971	---	---	---	---	0.238	0.355	0.178	0.388	0.682	0.143	---	---	0.330	1971
1972	---	---	---	---	---	---	0.163	0.553	0.298	0.116	---	---	---	1972
1973	---	---	---	---	0.536	0.250	0.347	0.231	0.047	0.024	---	---	0.255	1973
1974	---	---	---	---	0.090	0.394	0.157	0.050	0.014	0.005	0	---	0.117	1974
1975	---	---	---	---	0.091	0.291	0.884	0.303	0.044	0.182	---	---	0.285	1975
1976	---	---	---	---	0.136	0.024	0.018	0.122	0.072	0.006	---	---	0.063	1976
1977	---	---	---	---	0.084	0.089	0.009	0.047	0.881	0.081	---	---	0.184	1977
1978	---	---	---	---	0.029	0.070	0.783	0.493	0.101	0.054	---	---	0.253	1978
1979	---	---	---	---	0.060	0.210	0.184	0.315	0.185	2.06	---	---	0.505	1979
1980	---	---	---	---	0.293	0.089	0.255	1.03	0.291	0.051	---	---	0.335	1980
1981	---	---	---	---	0.274	0.099	0.091	0.185	0.104	1.22	0.686	---	0.331	1981
1982	---	---	---	---	0.165	0.188	0.184	0.156	0.131	0.096	---	---	0.148	1982
1983	---	---	---	---	0.107	0.141	0.151	0.231	0.102	0.494	---	---	0.205	1983
1984	---	---	---	---	0.152	0.124	0.214	0.177	0.104	0.080	---	---	0.139	1984
1985	---	---	---	---	0.131	0.138	0.152	0.152	0.122	0.011	---	---	0.118	1985
1986	---	---	---	---	0.251	0.280	0.372	0.430	0.348	0.036	---	---	0.286	1986
MEAN	---	---	---	0.188	0.207	0.300	0.309	0.276	0.226	0.348	0.343	---	0.280	MEAN

LOCATION - LAT 50 27 20 N
LONG 112 09 40 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1976

ANTELOPE COULEE SPILLWAY - STATION NO. 05BN010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1959	---	3.45 ON JUL 9	0.198 ON SEP 7	7 080	1959
1960	---	5.40 ON JUN 13 *	0.184 ON MAY 5	13 290	1960
1961	---	4.47 ON JUN 14	0.011 ON OCT 20	5 610	1961
1962	---	2.07 ON MAY 10	0 ON MAY 16 *	4 280	1962
1963	---	3.23 ON OCT 1	0 ON SEP 1	2 710	1963
1964	---	2.24 ON JUN 1	0 ON OCT 29	2 940	1964
1965	---	2.07 ON JUN 15	0 E ON MAY 1	1 620	1965
1966	---	3.06 A ON JUN 14	0 ON SEP 10	2 580	1966
1967	---	2.03 ON JUL 5	0 E ON MAY 1	3 520	1967
1968	---	3.14 ON OCT 11	0.018 ON OCT 30	4 250	1968
1969	---	4.42 ON JUL 4	0.001 ON MAY 11	4 470	1969
1970	---	1.77 ON JUN 13	0 ON MAY 4	2 970	1970
1971	---	1.78 ON SEP 16	0.003E ON MAY 1	5 280	1971
1972	---	---	---	---	1972
1973	---	3.31 ON MAY 28	0.007 ON MAY 1	4 060	1973
1974	---	2.67 ON JUN 27	0 ON OCT 23	1 670	1974
1975	---	2.72 ON JUL 4	0 ON AUG 12	4 220	1975
1976	---	1.39 ON MAY 20	0 ON JUL 21	899	1976
1977	---	1.98 ON SEP 26	0.001 ON JUL 18	3 080	1977
1978	---	2.89 ON AUG 23	0.003 ON OCT 27	4 020	1978
1979	---	4.13 ON OCT 3	0.018 ON OCT 31	8 020	1979
1980	---	3.28 ON AUG 6	0.004 ON OCT 19	5 350	1980
1981	---	5.38 ON OCT 31	0.051 ON MAY 5	5 350	1981
1982	---	0.601E ON JUL 28	0.038 ON MAY 1	2 350	1982
1983	---	1.73 ON OCT 21	0.031A ON OCT 31	3 260	1983
1984	---	0.969 ON MAY 29	0.020B ON OCT 31	2 210	1984
1985	---	0.684 ON SEP 30	0.001E ON OCT 7	1 670	1985
1986	---	0.803 ON SEP 25	0.002 ON OCT 10	4 540	1986
				4 140	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ARCADIA CREEK NEAR ARCADIA - STATION NO. 07BH001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1932	---	---	---	---	4.85	0.392	0.170	0.087	0.007	---	---	---	---	1932
MEAN	---	---	---	---	4.85	0.392	0.170	0.087	0.007	---	---	---	---	MEAN

LOCATION - LAT 55 33 58 N
LONG 116 07 39 W
DRAINAGE AREA, 177 km^2
NATURAL FLOW

ASPHALT CREEK NEAR FORT MACKAY - STATION NO 07DA012

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	---	1.19	0.857	---	---	---	---	1975
1976	0.001	0	0	0.888	0.303	0.383	0.983	0.336	0.193	0.518	0.085	0	0.392	1976
1977	0	0	0	0.347	0.891	0.478	0.984	0.205	0.214	0.476	0.098	0	0.302	1977
MEAN	0.001	0	0	0.558	0.597	0.421	0.976	0.577	0.415	0.497	0.092	0	0.302	MEAN

LOCATION - LAT 57 32 20 N DRAINAGE AREA 146 km²
LONG 111 40 35 W NATURAL FLOW

ASPHALT CREEK NEAR FORT MACKAY - STATION NO 07DA012

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	---	---	1975
1976	---	3.608 ON APR 13 *	0.0 ON JAN 7 *	9 540	1976
1977	3.72 AT 20 12 MST ON JUL 4 *	2.64 ON JUL 5	0.0 ON JAN 7	9 540	1977
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		9 540	MEAN

ATHABASCA RIVER AT ATHABASCA - STATION NO 07BE001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1913	---	---	---	---	---	---	---	---	---	---	---	---	---	1913
1914	90.6	82.1	89.5	131	383	849	1 040	891	469	252	---	---	---	1914
					374	1 590	1 170	548	392	356	166	90.1	425	
1915	104	91.6	115	329	371	1 150	1 680	832	425	253	155	94.6	487	1915
1916	74.9	71.6	74.5	209	389	786	1 280	655	439	286	164	83.0	377	1916
1917	80.0	64.3	61.9	212	1 280	1 120	834	491	348	314	170	95.9	423	1917
1918	109	88.5	88.0	289	404	1 050	974	523	333	212	125	82.3	357	1918
1919	70.7	66.3	57.0	185	286	681	845	575	542	234	148	100	288	1919
1920	85.7	82.0	79.2	127	1 450	1 230	1 210	851	512	395	175	101	527	1920
1921	113	119	123	350	804	1 060	853	892	412	301	228	105	431	1921
1922	75.3	77.4	80.7	141	539	661	807	561	403	258	139	59.6	302	1922
1923	56.7	49.4	51.8	181	437	1 020	1 020	704	493	344	245	143	397	1923
1924	66.2	67.9	81.2	109	809	708	788	853	751	403	233	89.8	414	1924
1925	54.2	55.7	84.4	926	690	932	712	874	703	420	221	177	489	1925
1926	156	130	135	431	465	717	897	470	867	446	270	144	385	1926
1927	104	104	117	259	769	1 140	1 410	715	588	390	197	119	487	1927
1928	113	96.6	123	280	723	1 260	1 270	855	412	286	163	147	483	1928
1929	88.2	78.6	100	215	648	809	654	547	379	346	188	83.2	346	1929
1930	80.6	67.0	75.8	305	641	1 190	977	831	458	252	214	184	421	1930
1931	118	111	129	---	---	---	---	---	---	---	---	---	---	1931
1938	---	---	---	---	374	818	726	586	511	192	---	---	---	1938
1939	---	---	---	---	418	526	746	467	237	234	---	---	---	1939
1940	---	---	---	---	961	887	804	514	397	249	---	---	---	1940
1941	---	---	---	---	---	---	829	585	405	340	---	---	---	1941
1942	---	---	---	---	338	1 130	1 050	707	603	286	---	---	---	1942
1943	---	---	---	---	438	1 120	1 100	676	353	212	---	---	---	1943
1944	---	---	---	---	582	2 260	1 120	700	472	302	---	---	---	1944
1945	---	---	---	---	411	629	516	489	271	279	---	---	---	1945
1946	---	---	---	---	387	1 100	783	486	315	183	---	---	---	1946
1947	---	---	---	---	722	905	795	789	538	354	---	---	---	1947
1948	---	---	---	---	2 500	1 250	869	1 040	635	358	---	---	---	1948
1949	---	---	---	---	355	556	807	868	347	184	---	---	---	1949
1950	---	---	---	---	575	899	909	562	339	186	---	---	---	1950
1951	---	---	---	---	1 100	689	973	640	372	221	152	99.2	---	1951
1952	74.8	74.3	72.5	510	428	1 170	1 080	803	370	252	145	84.8	402	1952
1953	59.8	58.8	81.2	195	785	1 150	823	1 010	707	283	178	89.8	463	1953
1954	87.7	89.7	89.2	108	1 290	2 280	1 280	1 280	1 390	501	277	203	740	1954
1955	90.3	77.4	77.6	331	889	1 290	1 090	837	356	224	98.1	96.1	422	1955
1956	88.5	86.1	81.3	534	888	1 180	747	651	391	248	108	87.2	405	1956
1957	86.2	86.3	90.9	241	784	678	885	727	492	367	308	174	390	1957
1958	137	131	126	514	746	840	837	438	322	214	106	88.9	385	1958
1959	87.7	86.2	79.8	185	389	922	881	486	475	308	124	120	340	1959
1960	78.8	67.8	72.9	219	520	982	1 240	530	309	222	140	80.1	371	1960
1961	75.5	69.7	81.3	186	407	827	788	571	289	289	177	103	323	1961
1962	94.4	76.0	86.0	495	959	1 020	955	704	467	271	178	110	452	1962
1963	105	99.1	101	623	927	898	744	531	412	280	122	120	413	1963
1964	85.3	85.5	70.0	134	607	987	918	783	678	580	243	184	444	1964
1965	138	115	123	419	1 100	1 530	2 010	933	782	512	271	184	679	1965
1966	125	123	94.1	214	850	909	986	857	831	326	208	172	469	1966
1967	128	99.7	96.7	214	697	1 180	748	550	383	248	135	76.2	378	1967
1968	80.4	89.4	94.4	130	380	762	849	586	418	245	121	70.9	325	1968
1969	86.9	86.9	84.1	395	478	656	709	999	524	380	180	128	386	1969
1970	89.1	78.4	80.5	380	516	879	818	483	292	210	128	86.8	337	1970
1971	72.6	73.5	77.2	441	582	1 540	2 130	792	454	375	200	128	582	1971
1972	104	89.3	101	371	1 080	1 840	1 130	729	469	443	233	135	542	1972
1973	134	133	116	377	867	1 080	784	637	380	339	189	134	429	1973
1974	110	113	104	973	1 550	1 010	1 180	865	484	323	195	124	572	1974
1975	109	102	105	235	529	673	1 110	537	452	253	202	139	372	1975
1976	125	120	97.3	426	483	589	889	1 030	642	340	174	86.8	420	1976
1977	119	137	129	381	1 080	1 380	1 110	887	737	476	228	149	567	1977
1978	122	104	134	389	696	1 250	1 180	678	997	511	209	141	533	1978
1979	107	98.3	152	324	857	1 110	1 340	859	389	271	180	98.4	467	1979
1980	105	92.3	108	410	490	1 720	1 040	649	580	398	225	142	496	1980
1981	135	110	143	352	596	788	693	670	348	187	148	87.4	355	1981
1982	83.4	87.0	88.9	225	755	871	1 730	896	605	435	222	255	520	1982
1983	117	85.7	88.1	231	308	729	1 280	655	339	238	233	124	372	1983
1984	117	124	116	254	436	855	791	508	595	445	281	178	400	1984
1985	118	93.8	124	411	598	787	707	506	582	387	168	101	382	1985
1986	106	100	133	364	849	1 080	1 580	748	419	483	217	147	507	1986
MEAN	95.0	90.0	96.3	324	688	1 030	995	683	467	315	185	119	436	MEAN

LOCATION - LAT 54 43 20 N
LONG 113 17 10 W

DRAINAGE AREA, 74 800 km²
NATURAL FLOW

ATHABASCA RIVER AT ATHABASCA - STATION NO. 07BE001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1913	---	1 670 ON JUL 6	---	---	1913
1914	---	3 090 ON JUN 10	76.58 ON DEC 25	13 400 000	1914
1915	---	2 760 ON JUN 30	81.08 ON FEB 22	14 700 000	1915
1916	---	2 040 ON JUL 7	63.48 ON FEB 2	11 900 000	1916
1917	---	2 490 ON MAY 24	56.68 ON FEB 20	13 400 000	1917
1918	---	1 470 ON JUN 18	70.88 ON DEC 31	11 300 000	1918
1919	---	1 030 ON JUN 26	51.58 ON MAR 6	9 420 000	1919
1920	---	2 500 ON MAY 11	70.28 ON MAR 18	16 700 000	1920
1921	---	1 480 ON JUN 11	71.48 ON DEC 28	13 800 000	1921
1922	840 AT 09:00 MST ON JUN 8	923 ON JUN 8	52.18 ON DEC 8	9 500 000	1922
1923	1 810 AT 08:00 MST ON JUN 17	1 870 ON JUN 17	47.08 ON FEB 13	12 500 000	1923
1924	1 580 AT 08:00 MST ON SEP 1	1 550 ON SEP 1	47.98 ON DEC 25	13 100 000	1924
1925	---	1 900 ON AUG 19	47.98 ON FEB 7	15 400 000	1925
1926	---	1 470 ON SEP 6	103 8 ON DEC 28	12 500 000	1926
1927	---	2 230 ON JUN 27	97.78 ON DEC 31	15 700 000	1927
1928	2 240 AT 19:00 MST ON JUN 19	2 200 ON JUN 19	85.48 ON JAN 26	14 800 000	1928
1929	---	1 150 ON JUN 13	69.78 ON DEC 21	10 900 000	1929
1930	---	1 780 ON JUN 15	55.58 ON JAN 21	13 300 000	1930
1931	---	---	---	---	1931
1938	---	1 060 ON JUN 18	---	---	1938
1939	---	1 250 ON JUL 20	---	---	1939
1940	---	---	---	---	1940
1941	---	---	---	---	1941
1942	---	1 700 ON JUL 21	---	---	1942
1943	---	2 080 ON JUN 27	---	---	1943
1944	5 040 AT 16:30 MST ON JUN 18	4 810 ON JUN 18	---	---	1944
1945	---	951 ON JUN 3	---	---	1945
1946	---	1 630 ON JUN 1	---	---	1946
1947	2 080 AT 23:00 MST ON AUG 1	2 000 ON AUG 1	---	---	1947
1948	---	3 650 ON MAY 17	---	---	1948
1949	---	1 030 ON JUL 24	---	---	1949
1950	1 630 AT 14:00 MST ON JUN 18	1 570 ON JUN 18	---	---	1950
1951	---	1 800 ON MAY 8	---	---	1951
1952	2 450 AT 10:30 MST ON JUN 26	2 430 ON JUN 26	42.88 ON DEC 9	12 700 000	1952
1953	---	1 830 ON AUG 29	42.28 ON JAN 18 *	14 800 000	1953
1954	5 880 AT 14:30 MST ON JUN 10 *	5 440 ON JUN 10 *	85.18 ON JAN 30	23 300 000	1954
1955	2 350 AT 17:00 MST ON JUN 3	2 230 ON JUN 4	55.58 ON MAR 4	13 300 000	1955
1956	1 810 AT 20:15 MST ON JUN 8	1 720 ON JUN 9	45.68 ON DEC 14	12 800 000	1956
1957	1 170 AT 17:00 MST ON AUG 14	1 160 ON AUG 14	49.88 ON JAN 16	12 300 000	1957
1958	2 400 AT 23:00 MST ON JUL 1	2 270 ON JUL 2	61.78 ON NOV 18	12 100 000	1958
1959	1 780 AT 09:00 MST ON JUN 30	1 720 ON JUN 30	51.48 ON JAN 13	10 700 000	1959
1960	2 890 AT 20:00 MST ON JUN 28	2 810 ON JUN 28	58.38 ON MAR 10	11 700 000	1960
1961	1 150 AT 20:00 MST ON JUL 3	1 090 ON JUL 3	62.08 ON FEB 7	10 200 000	1961
1962	1 840 AT 21:00 MST ON MAY 22	1 550 ON MAY 22	62.88 ON MAR 11	14 200 000	1962
1963	1 610 AT 03:00 MST ON APR 28	1 590 ON APR 29	81.08 ON NOV 20	13 000 000	1963
1964	1 830 AT 07:00 MST ON JUN 22	1 800 ON JUN 22	64.68 ON MAR 31	14 100 000	1964
1965	3 680 AT 20:00 MST ON JUN 30	3 510 ON JUN 30	98.88 ON APR 3	21 400 000	1965
1966	1 790 AT 13:00 MST ON AUG 31	1 740 ON AUG 31	77.98 ON MAR 29	14 800 000	1966
1967	1 660 AT 09:00 MST ON JUN 21	1 630 ON JUN 21	59.58 ON DEC 31	12 000 000	1967
1968	1 290 AT 20:55 MST ON JUN 15	1 290 ON JUN 15	51.08 ON JAN 1	10 300 000	1968
1969	3 110 AT 16:47 MST ON AUG 9	3 000 ON AUG 9	85.28 ON JAN 15	12 200 000	1969
1970	1 830 AT 15:54 MST ON JUN 19	1 530 ON JUN 19	62.38 ON NOV 23	10 800 000	1970
1971	4 560A AT 08:00 MST ON JUL 14	4 470A ON JUL 14	89.48 ON JAN 27	18 400 000	1971
1972	3 540 AT 21:30 MST ON JUN 28	3 370 ON JUN 28	86.18 ON FEB 23	17 100 000	1972
1973	1 890A AT 02:30 MST ON JUN 28	1 840A ON JUN 28	110 8 ON MAR 13	13 500 000	1973
1974	2 550 AT 02:40 MST ON APR 28	2 520 ON APR 28	92.6 ON NOV 25	18 000 000	1974
1975	1 850 AT 19:30 MST ON JUN 30	1 790 ON JUN 30	96.08 ON FEB 12	11 700 000	1975
1976	1 660 AT 08:30 MST ON AUG 20	1 630 ON AUG 20	87.88 ON MAR 18	13 200 000	1976
1977	2 380 AT 12:45 MST ON JUN 1	2 340 ON JUN 1	85.08 ON NOV 22	17 800 000	1977
1978	2 350 AT 05:00 MST ON JUL 15	2 290 ON JUL 15	94.08 ON FEB 8	16 800 000	1978
1979	2 320 AT 00:00 MST ON JUL 15	2 230 ON JUL 15	81.58 ON DEC 20	14 700 000	1979
1980	4 330 AT 15:45 MST ON JUN 8	4 180 ON JUN 8	85.38 ON DEC 11	15 700 000	1980
1981	1 270 AT 13:05 MST ON JUN 3	1 240 ON JUN 3	55.68 ON DEC 17	11 200 000	1981
1982	3 490 AT 12:35 MST ON JUL 8	3 420 ON JUL 8	58.08 ON JAN 10	16 400 000	1982
1983	1 580 AT 08:21 MST ON JUN 28	1 550 ON JUN 28	84.08 ON FEB 13	11 700 000	1983
1984	1 410 AT 08:38 MST ON JUL 3	1 390 ON JUL 3	70.7 ON NOV 2	12 700 000	1984
1985	1 520 AT 23:33 MST ON JUN 26	1 450 ON JUN 27	80.08 ON FEB 5	12 100 000	1985
1986	4 530 AT 18:09 MST ON JUL 21	4 400A ON JUL 21	100 8 ON FEB 4	16 000 000	1986
				13 800 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)

B - ICE CONDITIONS

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ATHABASCA RIVER AT EMBARRAS AIRPORT - STATION NO 07DD001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	---	---	1 200	1 700	2 780	1 180	854	536	325	198	---	1971
1972	143	134	212	450	1 870	1 770	1 630	928	550	576	401	197	749	1972
1973	237	200	181	551	1 230	2 080	1 500	1 380	813	780	470	322	813	1973
1974	289	240	220	---	---	---	---	1 110	826	584	376	267	---	1974
1975	229	198	216	436	1 230	1 150	2 080	1 130	1 310	737	431	275	788	1975
1976	243	218	182	1 050	807	823	1 380	1 380	1 380	795	---	---	---	1976
1977	---	---	---	719	1 420	1 880	1 550	1 190	1 000	793	391	---	---	1977
1978	---	---	---	497	1 240	1 840	1 390	998	1 780	1 210	590	---	---	1978
1979	---	---	---	---	---	1 780	1 800	1 070	884	683	---	---	---	1979
1980	---	---	---	---	711	1 770	1 340	1 280	1 100	859	---	---	---	1980
1981	---	---	---	---	628	1 170	948	804	530	376	---	---	---	1981
1982	---	---	---	---	1 270	1 100	1 980	1 180	876	679	---	---	---	1982
1983	---	---	---	---	721	869	1 730	1 220	683	529	---	---	---	1983
1984	---	---	---	---	840	1 800R	1 270	845	655	818	---	---	---	1984
MEAN	234	198	202	617	1 110	1 500R	1 840	1 130	943	710	427	250	783	MEAN

LOCATION - LAT 58 12 18 N LONG 111 23 24 W DRAINAGE AREA, 155 000 km² NATURAL FLOW

R - REVISED SINCE JAN 1986

ATHABASCA RIVER AT EMBARRAS AIRPORT - STATION NO 07DD001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	4 220 AT 21 00 MST ON JUL 17 *	4 190 ON JUL 17 *	---	---	1971
1972	---	3 280 ON JUL 2	1238 ON FEB 5 *	23 700 000	1972
1973	2 710 AT 18 00 MST ON JUN 21	2 690 ON JUN 21	1708 ON FEB 27	25 700 000	1973
1974	---	---	---	---	1974
1975	2 730 AT 24 00 MST ON JUL 3	2 700 ON JUL 4	1958 ON FEB 10	24 800 000	1975
1976	---	2 150B ON APR 20	---	---	1976
1977	2 880 AT 02 15 MST ON JUN 5	2 880 ON JUN 5	---	---	1977
1978	2 360 AT 02 14 MST ON SEP 22	2 360 ON SEP 22	---	---	1978
1979	2 720 AT 19 15 MST ON JUL 17	2 810 ON JUL 17	---	---	1979
1980	---	3 900E ON JUN 11	---	---	1980
1981	---	1 500E ON JUN 9	---	---	1981
1982	3 250 AT 15 20 MST ON JUL 11	3 210 ON JUL 11	---	---	1982
1983	2 350 AT 18 30 MST ON AUG 1	2 310 ON AUG 1	---	---	1983
1984	2 310 AT 13 12 MST ON JUN 14	2 280R ON JUN 14	---	---	1984
				24 800 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1 1986

ATHABASCA RIVER AT ENTRANCE - STATION NO 07AD001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	201	454	566	505	201	89.7	58.2	33.2	---	1915
1916	24.4	25.7	31.0	42.7	104	926	620	425	272	147	87.2	38.7	184	1916
1917	35.0	27.8	29.1	36.5	172	454	653	337	251	189	84.7	55.0	184	1917
1918	48.6	37.3	48.4	61.1	161	881	857	421	288	111	50.5	30.0	215	1918
1919	30.0	29.6	32.8	39.6	151	378	467	418	302	114	52.9	35.0	172	1919
1920	26.5	30.1	27.9	34.0	90.2	358	883	529	215	138	52.9	38.8	203	1920
1921	36.5	44.0	34.2	50.3	193	525	446	382	178	122	89.7	---	---	1921
1922	---	---	---	---	---	489	447	417	238	100	54.0	---	---	1922
1923	---	---	---	---	126	522	486	430	277	113	62.7	42.1	---	1923
1924	27.5	28.3	34.6	35.4	234	467	554	440	337	141	50.8	28.1	189	1924
1925	22.3	26.0	36.2	84.2	311	549	524	506	310	120	58.5	52.1	218	1925
1926	30.8	32.9	40.8	91.9	202	357	475	319	259	129	84.2	32.8	170	1926
1927	25.3	27.2	35.3	43.4	86.8	528	512	405	254	150	44.4	28.4	178	1927
1928	40.3	28.5	43.4	45.9	307	577	601	373	218	85.3	48.3	29.8	201	1928
1929	29.3	26.2	32.8	38.5	135	584	397	341	202	119	64.8	41.8	167	1929
1930	27.4	27.1	29.7	61.7	184	580	592	427	272	98.8	59.8	36.8	199	1930
1931	37.7	27.6	31.4	35.1	188	499	542	317	237	134	57.4	26.5	178	1931
1932	23.9	26.5	25.8	60.0	172	815	437	411	200	82.1	36.1	24.5	177	1932
1933	21.7	19.6	20.8	36.7	148	532	568	459	326	154	100	61.8	205	1933
1934	26.7	22.5	31.9	141	372	504	482	346	184	149	76.8	40.8	198	1934
1935	35.6	46.4	34.3	59.2	127	505	691	381	274	93.2	46.1	43.7	186	1935
1936	28.1	11.6	14.7	72.7	274	536	384	331	156	137	89.9	43.3	170	1936
1937	18.3	13.1	31.2	22.6	150	433	517	322	225	75.4	54.1	47.3	160	1937
1938	38.0	24.0	18.5	30.5	206	663	559	303	278	117	83.7	57.5	197	1938
1939	30.5	19.3	47.8	38.6	258	347	471	358	200	124	87.9	56.3	189	1939
1955	---	---	---	---	116	588	605	338	194	83.1	37.6	34.0	---	1955
1956	32.5	29.1	28.5	57.0	252	550	460	317	199	117	57.0	30.4	177	1956
1957	27.1	35.8	34.6	35.7	388	428	355	256	216	108	63.6	33.7	184	1957
1958	31.8	28.7	27.0	39.9	304	553	431	317	301	115	54.9	36.2	178	1958
1959	30.0	21.6	34.6	41.6	180	587	555	334	274	126	54.6	55.4	182	1959
1960	38.1	39.9	34.9	39.3	121	481	694	370	212	130	82.0	50.9	190	1960
1961	23.4	19.7	26.9	31.2	217	595	422	350	185	---	---	---	---	1961
MEAN	30.3	27.8	32.1	50.6	197	513	531	381	238	120	59.5	40.1	187	MEAN

LOCATION - LAT 53 22 37 N LONG 117 41 42 W DRAINAGE AREA, 9 530 km² NATURAL FLOW

ATHABASCA RIVER AT ENTRANCE - STATION NO 07AD001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	1 140 ON JUN 28	---	---	1915
1916	---	1 150 ON JUN 21	21.5 B ON JAN 1	6 140 000	1916
1917	---	940 ON JUL 4	23.9 B ON FEB 22	6 120 000	1917
1918	---	891 ON JUN 15	26.9 B ON FEB 16	6 790 000	1918
1919	---	790 ON JUN 23	26.1 B ON JAN 18	5 420 000	1919
1920	---	894 ON JUL 10	19.8 B ON APR 16	6 430 000	1920
1921	---	784 ON JUN 9	25.5 B ON JAN 18	---	1921
1922	---	776 ON JUN 5	---	---	1922
1923	---	867 ON JUN 14	---	---	1923
1924	---	906 ON JUL 5	21.0 B ON DEC 23	6 280 000	1924
1925	---	784 ON JUL 1	21.2 B ON JAN 1	5 890 000	1925
1926	---	691 ON JUL 8	26.5 B ON APR 4	5 370 000	1926
1927	---	722 ON JUN 11	20.6 B ON DEC 30	5 640 000	1927
1928	---	920 ON MAY 28	20.6 B ON JAN 1	6 350 000	1928
1929	---	881 ON JUN 10	20.2 B ON JAN 31	5 250 000	1929
1930	---	991 ON JUN 12	17.4 B ON DEC 22	6 260 000	1930
1931	---	917 ON JUN 20	17.4 B ON FEB 24	5 850 000	1931
1932	---	983 ON JUN 16	21.0 B ON JAN 1	5 590 000	1932
1933	---	1 170 ON JUN 17	18.2 B ON FEB 4	6 470 000	1933
1934	---	977 ON MAY 31	19.1 B ON MAR 8	6 240 000	1934
1935	---	988 ON JUL 3	18.7 B ON JAN 17	6 170 000	1935
1936	---	1 270 ON JUN 2 *	8.558 ON FEB 28	5 390 000	1936
1937	---	742 ON JUL 1	7.08 ON APR 25 *	5 040 000	1937
1938	---	1 070 ON JUN 25	17.0 B ON MAR 26	6 230 000	1938
1939	---	885 ON JUL 2	16.1 B ON JAN 31	5 340 000	1939
1955	---	1 090 ON JUN 14	---	---	1955
1956	---	799 ON JUN 6	17.4 B ON MAR 30	5 810 000	1956
1957	---	823 ON MAY 21	19.1 B ON JAN 11	5 180 000	1957
1958	---	776 ON MAY 31	17.3 B ON FEB 1	5 640 000	1958
1959	---	986 ON JUN 23	15.1 B ON JAN 24	6 050 000	1959
1960	---	1 030 ON JUL 2	26.0 B ON MAR 15	6 010 000	1960
1961	---	882 ON JUN 8	12.2 B ON JAN 15	---	1961
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		5 910 000	MEAN

ATHABASCA RIVER AT HINTON - STATION NO 07AD002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1961	---	---	---	31.9	215	574	402	338	171	172	81.3	31.4	---	1961
1962	22.5	18.7	19.0	57.6	154	465	463	350	200	95.9	63.3	40.5	183	1962
1963	86.3	46.6	16.9	51.2	156	493	464	329	233	117	56.5	41.0	173	1963
1964	30.4	30.7	24.3	36.9	96.2	603	497	283	216	161	74.3	40.2	174	1964
1965	28.0	28.6	31.9	49.2	147	573	528	445	243	167	98.6	100	213	1965
1966	33.7	32.4	21.7	49.1	238	435	553	413	238	146	68.4	46.8	191	1966
1967	46.8	42.7	36.6	47.6	124	670	524	382	257	120	80.7	48.5	197	1967
1968	43.6	36.6	41.9	34.6	164	498	620	386	255	106	54.4	36.6	190	1968
1969	35.1	32.2	35.1	50.8	212	507	385	448	196	101	82.9	38.4	176	1969
1970	30.6	33.6	26.8	31.1	110	521	382	286	132	89.6	34.4	30.1	141	1970
1971	24.1	31.4	27.7	40.6	213	581	497	393	215	116	48.6	29.7	186	1971
1972	33.5	30.0	41.4	35.7	218	752	459	353	189	118	52.5	35.9	194	1972
1973	32.7	32.8	35.2	38.5	201	457	384	310	153	100	46.3	45.4	154	1973
1974	36.5	31.5	30.0	48.5	123	565	532	370	234	131	82.1	52.7	186	1974
1975	34.2	29.6	32.6	38.0	101	347	511	278	157	90.5	80.4	42.9	146	1975
1976	30.8	32.2	29.5	43.9	207	321	513	469	284	119	49.3	38.8	177	1976
1977	34.6	33.1	30.3	42.4	166	466	417	365	208	92.6	39.8	39.8	162	1977
1978	33.8	31.6	34.9	43.7	138	515	556	324	359	186	82.1	44.5	193	1978
1979	34.7	32.5	33.8	35.4	121	417	440	300	185	95.7	35.4	25.0	147	1979
1980	22.5	26.1	27.6	57.5	266	526	352	269	182	134	55.8	48.4	184	1980
1981	35.3	26.0	32.4	38.7	235	308	416	370	205	79.4	55.7	24.1	154	1981
1982	30.8	27.5	27.7	38.7	108	584	589	350	281	145	59.8	47.8	191	1982
1983	42.1	33.5	34.5	38.7	138	374	374	286	158	83.1	75.0	34.8	141	1983
1984	43.1	31.4	33.2	42.0	86.4	489	461	341	267	147	86.5	45.7	170	1984
1985	38.1	25.0	29.6	38.9	205	360	415	294	187	94.8	48.8	42.0	145	1985
1986	37.5	29.1	37.0	37.9	195	620	505	325	193	116	61.3	45.2	184	1986
MEAN	35.5	31.4	30.9	42.3	186	501	475	348	215	119	58.9	42.2	173	MEAN

LOCATION - LAT 53 24 39 N DRAINAGE AREA, 9 780 km^2
LONG 117 35 11 W NATURAL FLOW

ATHABASCA RIVER AT HINTON - STATION NO. 07AD002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1961	818 AT 23:30 MST ON JUN 8	804 ON JUN 8	---	---	1961
1962	---	765A ON JUN 27	11.08 ON MAR 2	5 180 000	1962
1963	731 AT 14:00 MST ON JUN 20	719 ON JUN 20	10.88 ON MAR 14 *	5 470 000	1963
1964	850 AT 07:00 MST ON JUN 14	844 ON JUN 14	15.08 ON MAR 23	5 520 000	1964
1965	915 AT 17:00 MST ON JUL 9	900 ON JUL 9	15.78 ON DEC 28	5 700 000	1965
1966	779 AT 18:00 MST ON JUL 5	785 ON JUL 5	17.28 ON MAR 3	6 020 000	1966
1967	864 AT 17:00 MST ON JUN 18	855 ON JUN 18	24.48 ON NOV 28	5 220 000	1967
1968	1 040 AT 13:32 MST ON JUN 28	1 000 ON JUN 28	27.58 ON APR 3	6 020 000	1968
1969	1 080 AT 16:43 MST ON AUG 6	997 ON AUG 6	31.18 ON FEB 18	5 550 000	1969
1970	787 AT 14:30 MST ON JUN 17	776 ON JUN 17	19.88 ON NOV 26	4 450 000	1970
1971	934 AT 20:00 MST ON JUN 9	885 ON JUN 9	21.58 ON JAN 16	5 850 000	1971
1972	1 270 AT 02:30 MST ON JUN 13 *	1 200 ON JUN 12 *	27.88 ON JAN 1	6 140 000	1972
1973	894 AT 16:20 MST ON JUN 25	863 ON JUN 25	29.7 ON APR 8	4 850 000	1973
1974	1 080 AT 16:50 MST ON JUN 25	1 070 ON JUN 25	26.98 ON MAR 7	5 840 000	1974
1975	742 AT 09:30 MST ON JUL 8	738 ON JUL 8	28.38 ON FEB 25	4 810 000	1975
1976	846 AT 10:20 MST ON AUG 5	840 ON AUG 5	21.08 ON DEC 6	5 810 000	1976
1977	821 AT 08:30 MST ON JUN 9	770 ON JUN 9	19.38 ON NOV 21	5 110 000	1977
1978	971 AT 18:20 MST ON JUL 12	943 ON JUL 12	25.88 ON MAR 3	6 100 000	1978
1979	889 AT 06:00 MST ON JUN 6	859 ON JUN 6	17.58 ON DEC 16	4 840 000	1979
1980	795 AT 11:15 MST ON JUN 18	776 ON JUN 18	18.88 ON FEB 15	5 190 000	1980
1981	835 AT 16:10 MST ON MAY 27	819 ON MAY 27	17.08 ON DEC 15	4 850 000	1981
1982	1 020 AT 18:45 MST ON JUL 5	1 000 ON JUL 5	22.58 ON JAN 1	6 040 000	1982
1983	581 AT 03:55 MST ON JUN 1	569 ON JUN 1	25.08 ON DEC 18	4 440 000	1983
1984	1 090 AT 19:50 MST ON JUN 30	1 050 ON JUN 30	20.08 ON MAR 13	5 380 000	1984
1985	822 AT 12:45 MST ON JUL 1	811 ON JUL 1	18.28 ON FEB 21	4 710 000	1985
1986	1 080 AT 17:18 MST ON MAY 31	1 080 ON JUN 1	17.18 ON FEB 16	5 810 000	1986
				5 450 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ATHABASCA RIVER BELOW MCMURRAY - STATION NO. 07DA001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1957	---	---	---	---	---	---	---	---	---	532	438	287	---	1957
1958	215	179	182	1 030	1 170	1 070	1 080	578	489	400	233	151	567	1958
1959	124	111	124	---	885	1 250	1 130	853	818	822	297	236	---	1959
1960	172	156	146	475	1 080	1 530	1 880	1 080	1 110	855	439	224	745	1960
1961	209	180	184	386	850	1 120	1 180	783	435	400	266	152	513	1961
1962	142	122	121	521	1 630	1 800	1 690	1 050	740	509	370	244	749	1962
1963	200	192	189	808	1 480	1 190	913	892	588	457	288	---	---	1963
1964	---	---	125	213	958	1 140	1 050	985	835	864	361	175	---	1964
1965	207	174	182	414	1 520	1 750	2 290	1 150	1 200	854	421	271	884	1965
1966	214	208	206	389	1 170	1 480	1 290	1 190	1 030	572	349	247	698	1966
1967	216	168	156	320	1 350	1 460	1 080	859	531	371	245	135	578	1967
1968	116	121	161	285	985	1 090	882	654	513	308	181	485	1968	
1969	147	122	118	---	1 020	983	920	1 150	836	743	---	---	---	1969
1970	148	151	152	590	809	1 210	1 890	818	712	585	284	178	846	1970
1971	154	145	144	690	1 070	1 750	2 740	1 100	647	553	286	178	792	1971
1972	195	172	185	528	1 710	1 880	1 470	814	803	588	332	185	731	1972
1973	191	171	171	445	1 120	1 890	1 340	1 220	785	790	447	293	741	1973
1974	239	213	189	937	2 080	1 520	1 790	1 080	824	641	337	268	848	1974
1975	213	188	204	383	985	976	1 730	1 020	1 070	573	449	254	883	1975
1976	224	194	180	851	708	825	1 310	1 380	1 230	705	331	194	678	1976
1977	209	208	224	750	1 380	1 710	1 390	1 090	918	731	347	221	768	1977
1978	225	190	188	555	1 120	1 590	1 340	935	1 510	859	450	277	773	1978
1979	214	168	173	393	1 580	1 720	1 790	954	804	581	380	225	749	1979
1980	242	205	206	614	888	1 810	1 260	1 210	990	727	463	198	718	1980
1981	186	190	220	505	734	1 010	883	815	682	342	277	107	481	1981
1982	108	109	107	292	1 150	981	1 990	1 050	790	609	340	233	851	1982
1983	170	157	162	418	545	883	1 650	1 080	616	484	490	212	576	1983
1984	178	187	189	471	891	1 490	1 120	722	812	723	385	233	599	1984
1985	192	173	175	584	1 330	1 020	936	858	724	616	357	202	583	1985
1986	174	167	205	554	1 020	1 310	1 890	1 130	852	737	374	203	706	1986
MEAN	187	169	172	533	1 110	1 380	1 450	976	808	614	355	212	678	MEAN

LOCATION - LAT 56 46 50 N, LONG 111 24 00 W DRAINAGE AREA, 133 000 km^2, NATURAL FLOW

ATHABASCA RIVER BELOW MCMURRAY - STATION NO. 07DA001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1957	---	---	---	---	1957
1958	2 440 AT 15:00 MST ON JUL 3	2 380 ON JUL 3	131 B ON NOV 30	17 900 000	1958
1959	2 030 AT 03:00 MST ON JUL 2	2 000 ON JUN 26	107 B ON FEB 17	---	1959
1960	4 280 AT 05:00 MST ON JUN 30	4 160 ON JUN 30	138 B ON MAR 12	23 800 000	1960
1961	---	1 840 ON JUL 5	130 B ON DEC 30	16 200 000	1961
1962	2 110 AT 14:00 MST ON JUL 23	2 090 ON JUL 23	118 B ON FEB 6	23 800 000	1962
1963	---	2 330E ON MAY 1	---	---	1963
1964	---	1 830 ON JUN 24	---	---	1964
1965	3 910 AT 13:00 MST ON JUL 2	3 850 ON JUL 2	164 B ON APR 7	27 900 000	1965
1966	2 080 AT 07:30 MST ON SEP 2	2 000 ON SEP 2	179 B ON JAN 3	22 000 000	1966
1967	1 830 AT 18:00 MST ON JUN 22	1 800 ON JUN 23	118 B ON DEC 31	18 300 000	1967
1968	1 500 AT 19:00 MST ON JUN 16	1 480 ON JUN 17	108 B ON JAN 5	15 300 000	1968
1969	2 970 AT 01:35 MST ON AUG 11	2 780 ON AUG 11	108 B ON MAR 28	---	1969
1970	3 910 AT 02:00 MST ON JUL 3	3 850 ON JUL 3	104 B ON NOV 26	20 400 000	1970
1971	4 780 AT 17:00 MST ON JUL 15 *	4 700 ON JUL 15 *	138 B ON MAR 14	25 000 000	1971
1972	3 680 AT 08:00 MST ON JUN 30	3 620 ON JUN 30	147 B ON NOV 28	23 100 000	1972
1973	2 550 AT 17:00 MST ON JUN 29	2 510 ON JUN 29	158 B ON FEB 26	23 400 000	1973
1974	3 030 AT 03:30 MST ON JUL 17	2 970 ON JUL 17	173 B ON DEC 3	26 700 000	1974
1975	2 470 AT 15:00 MST ON JUL 2	2 460 ON JUL 2	187 B ON JAN 28	21 500 000	1975
1976	2 080 AT 10:00 MST ON AUG 31	2 080 ON AUG 31	130 B ON NOV 28	21 500 000	1976
1977	2 860 AT 01:24 MST ON JUN 3	2 800 ON JUN 3	144 B ON NOV 28	24 200 000	1977
1978	2 510 AT 17:55 MST ON JUL 16	2 390 ON JUL 16	182 B ON FEB 22	24 400 000	1978
1979	2 930 AT 15:50 MST ON JUL 16	2 900 ON JUL 16	147 B ON DEC 4	23 600 000	1979
1980	4 170 AT 23:40 MST ON JUN 9	3 930 ON JUN 9	152 B ON DEC 18	22 700 000	1980
1981	1 430 AT 14:20 MST ON JUN 5	1 410 ON JUN 5	92.0B ON DEC 18 *	15 200 000	1981
1982	3 610 AT 20:09 MST ON JUL 9	3 490 ON JUL 9	95.0B ON JAN 11	20 500 000	1982
1983	2 310 AT 04:28 MST ON JUL 31	2 290 ON JUL 31	146 B ON FEB 20	18 200 000	1983
1984	1 950 AT 08:11 MST ON JUN 12	1 940 ON JUN 12	167 B ON JAN 1	18 900 000	1984
1985	1 940 AT 18:44 MST ON MAY 7	1 920 ON MAY 7	164 B ON MAR 12	18 400 000	1985
1986	4 860 AT 00:48 MST ON JUL 23	4 440 ON JUL 22	166 B ON FEB 26	22 300 000	1986
				21 400 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ATHABASCA RIVER NEAR JASPER - STATION NO. 07AA002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1913	---	---	---	---	---	---	---	---	116	49.5	26.3	15.6	---	1913
1914	13.5	9.13	9.45	16.3	87.4	233	322	184	90.4	53.7	24.3	15.3	87.2	1914
1915	15.2	13.1	12.0	21.3	112	225	285	341	97.1	45.1	23.8	20.3	102	1915
1916	7.81	12.7	12.8	21.0	44.5	251	295	208	128	61.6	30.3	17.1	91.1	1916
1917	12.2	11.2	8.00	9.68	69.7	199	297	175	105	75.9	32.7	24.9	85.6	1917
1918	20.9	11.3	10.4	18.8	77.5	315	277	169	131	68.2	22.7	16.8	95.4	1918
1919	13.0	9.77	10.3	16.1	76.3	195	255	231	113	36.2	29.1	18.2	84.1	1919
1920	10.3	9.74	9.07	11.8	40.5	191	390	232	117	62.2	26.6	14.6	92.4	1920
1921	12.2	11.0	8.48	19.9	75.5	260	270	213	91.8	47.2	31.1	28.7	89.8	1921
1922	16.4	11.4	8.22	13.0	67.7	282	270	255	156	54.1	---	---	---	1922
1923	---	---	---	---	85.8	273	272	232	135	52.6	23.9	14.8	---	1923
1924	8.75	10.5	9.86	11.2	116	198	263	226	150	83.7	31.8	12.8	92.3	1924
1925	---	9.25	13.4	19.2	155	265	304	244	141	42.7	21.8	17.9	---	1925
1926	8.85	10.4	13.4	39.3	81.4	157	269	174	102	41.8	21.5	12.7	78.2	1926
1927	9.19	7.51	8.41	15.9	46.5	215	234	204	119	68.8	22.9	8.74	80.7	1927
1928	13.8	9.51	6.62	9.17	174	277	331	219	102	37.0	21.4	14.1	102	1928
1929	8.54	6.47	7.94	11.2	62.1	282	219	222	107	54.5	20.8	11.9	85.7	1929
1930	6.84	8.96	8.55	23.0	77.8	285	307	243	124	42.8	21.0	14.3	95.8	1930
1931	10.2	8.16	8.69	10.8	81.8	262	---	---	---	---	---	---	---	1931
1970	---	---	---	---	47.0	277	230	177	62.3	31.7	13.0	10.8	---	1970
1971	8.89	12.8	9.85	14.7	105	248	222	225	104	48.3	23.9	15.0	87.0	1971
1972	12.*	13.0	12.0	11.3	110	374	229	223	97.9	46.8	22.0	14.2	97.4	1972
1973	12.7	12.5	9.86	13.4	88.6	223	201	208	91.7	44.0	17.3	15.6	78.7	1973
1974	12.1	12.4	9.97	19.5	53.2	300	286	202	113	61.7	25.1	17.8	93.1	1974
1975	13.4	12.5	10.8	11.9	45.9	183	311	156	83.0	46.4	40.0	18.6	78.3	1975
1976	14.2	12.1	11.1	17.0	107	169	299	270	142	54.6	24.8	19.0	95.5	1976
1977	13.2	10.5	9.37	17.2	63.1	223	206	203	96.1	39.5	23.3	15.1	77.1	1977
1978	12.6	11.9	9.73	15.5	82.1	273	316	186	195	71.7	28.3	20.4	101	1978
1979	13.2	11.0	11.8	12.4	53.9	216	254	187	110	45.7	12.8	12.5	78.8	1979
1980	12.6	11.1	9.33	39.7	153	211	197	152	88.7	60.3	22.4	30.7	82.6	1980
1981	17.2	10.8	12.0	13.8	121	154	249	240	115	35.0	26.7	14.1	84.7	1981
1982	11.8	10.9	9.29	10.3	45.4	304	294	195	143	51.8	21.7	17.1	93.2	1982
1983	12.7	9.36	10.6	12.8	66.4	209	212	190	87.1	46.6	34.0	16.7	76.1	1983
1984	13.8	10.5	10.0	15.7	28.2	254	254	210	122	51.8	37.9	16.9	85.6	1984
1985	13.1	10.7	9.77	12.0	102	178	235	156	78.8	36.1	14.5	11.7	71.8	1985
1986	10.6	9.58	11.0	13.8	98.4	321	251	194	91.2	46.1	25.0	16.0	91.1	1986
MEAN	12.3	10.7	10.1	16.3	81.3	242	268	210	113	50.6	24.8	16.5	87.8	MEAN

LOCATION - LAT 52 54 36 N DRAINAGE AREA, 3 680 km^2
LONG 118 03 25 W NATURAL FLOW

ATHABASCA RIVER NEAR JASPER - STATION NO. 07AA002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1913	---	---	---	---	1913
1914	---	482 ON JUL 4	6.880 ON FEB 28	2 750 000	1914
1915	---	555 ON JUN 27	11.4 B ON MAR 29	3 210 000	1915
1916	---	617 ON JUL 13	3.798 ON JAN 24	2 880 000	1916
1917	---	368 ON JUL 19	8.34 ON MAR 24	2 700 000	1917
1918	---	544 ON JUN 14	6.808 ON MAR 3	3 010 000	1918
1919	---	518 ON JUN 22	7.088 ON DEC 16	2 850 000	1919
1920	---	515 ON JUL 4	5.688 ON JAN 18	2 950 000	1920
1921	---	433 ON JUN 24	7.838 ON MAR 12	2 830 000	1921
1922	---	394 ON JUL 4	4.818 ON MAR 29	---	1922
1923	---	439 ON JUN 14	---	---	1923
1924	---	402 ON JUL 3	4.988 ON JAN 31	2 920 000	1924
1925	---	391 ON JUN 27	5.648 ON FEB 23	---	1925
1926	---	368 ON JUL 6	6.518 ON JAN 3	2 670 000	1926
1927	---	311 ON JUN 10	5.778 ON MAR 10	2 550 000	1927
1928	---	569 ON MAY 27	4.818 ON MAR 14	3 220 000	1928
1929	---	464 ON JUN 2	3.688 ON JAN 30 *	2 700 000	1929
1930	---	552 ON JUN 11	4.818 ON JAN 31	3 020 000	1930
1931	---	---	6.23 ON MAR 25	---	1931
1970	---	374 ON JUN 21	---	---	1970
1971	---	368 ON JUN 8	8.078 ON JAN 15	2 740 000	1971
1972	---	837 ON JUN 11	8.55 ON APR 3	3 080 000	1972
1973	---	436 ON JUN 25	8.44 ON MAR 19	2 480 000	1973
1974	---	512 ON JUN 23	8.21 ON MAR 18	2 940 000	1974
1975	---	425 ON JUL 12	9.208 ON MAR 30	2 470 000	1975
1976	---	371 ON JUL 9	9.208 ON MAR 2	3 020 000	1976
1977	374 AT 08:30 MST ON JUN 8	357 ON JUN 8	8.308 ON MAR 31	2 430 000	1977
1978	467 AT 19:45 MST ON SEP 4	439 ON SEP 5	7.70A ON MAR 21	3 170 000	1978
1979	390 AT 05:30 MST ON JUL 22	380 ON JUL 21	7.71A ON APR 6	2 490 000	1979
1980	383 AT 09:35 MST ON JUN 17	383 ON JUN 17	8.008 ON MAR 23	2 810 000	1980
1981	348 AT 12:25 MST ON MAY 26	333 ON MAY 26	9.008 ON JAN 30	2 670 000	1981
1982	490 AT 03:00 MST ON JUN 23	479 ON JUN 22	8.50E ON MAR 27	2 940 000	1982
1983	353 AT 21:35 MST ON JUL 12	319 ON JUL 13	7.80E ON FEB 10	2 400 000	1983
1984	722 AT 12:30 MST ON JUN 29 *	642A ON JUN 29 *	8.58B ON MAR 14	2 710 000	1984
1985	327 AT 12:05 MST ON JUN 30	303 ON JUN 30	8.50B ON DEC 1	2 280 000	1985
1986	638 AT 08:05 MST ON JUN 2	577 ON MAY 30	8.00B ON FEB 19	2 870 000	1986
				2 770 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ATHABASCA RIVER NEAR WINDFALL - STATION NO. 07AE001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1960	---	---	---	---	248	707	813	409	228	145	72.3	81.0	---	1960
1961	65.7	57.8	55.1	84.3	317	892	502	389	207	237	128	80.1	311	1961
1962	68.2	53.5	43.2	158	380	814	829	449	294	150	111	136	337	1962
1963	102	57.5	40.9	171	319	634	545	373	291	163	84.5	45.4	317	1963
1964	49.3	54.4	28.1	58.1	247	777	648	477	381	272	103	84.2	381	1964
1965	38.9	41.6	42.8	157	359	895	1 090	678	455	301	151	57.6	497	1965
1966	58.8	65.3	46.5	117	534	695	734	647	369	250	133	77.6	412	1966
1967	47.6	49.8	37.3	45.5	237	855	851	485	287	147	93.3	53.5	340	1967
1968	43.5	35.7	63.2	77.5	249	591	704	485	299	145	75.1	82.6	327	1968
1969	39.8	46.1	45.1	77.0	285	575	488	635	278	153	56.2	40.8	312	1969
1970	47.7	53.2	50.4	92.4	214	632	457	314	155	85.8	57.3	48.7	261	1970
1971	36.4	37.8	39.9	129	296	880	882	488	275	189	79.4	87.0	387	1971
1972	54.0	42.6	70.2	87.1	389	1 030	561	437	278	219	102	71.7	383	1972
1973	56.6	54.2	57.9	131	416	618	484	395	203	170	86.4	83.2	309	1973
1974	50.2	47.8	47.0	164	349	679	638	428	286	172	90.9	68.5	345	1974
1975	48.8	45.5	40.1	72.1	207	441	819	309	189	120	103	90.4	250	1975
1976	48.4	54.2	43.0	128	298	435	634	568	361	172	85.1	82.7	343	1976
1977	53.5	52.5	51.5	90.2	427	676	842	547	367	202	93.8	62.3	375	1977
1978	57.4	53.7	52.0	129	258	685	721	424	484	236	---	---	373	1978
1979	---	---	60.3	92.8	257	544	598	367	231	135	---	---	288	1979
1980	---	---	43.8	136	352	887	523	378	284	200	---	---	349	1980
1981	---	---	58.7	86.5	343	430	504	488	258	119	---	---	283	1981
1982	---	---	43.1	53.7	299	895	939	533	404	248	---	---	402	1982
1983	---	---	49.7	78.5	188	528	563	355	198	126	---	---	261	1983
1984	---	---	46.7	100	191	573	534	387	373	234	---	---	304	1984
1985	---	---	53.0	87.2	288	458	488	343	286	175	---	---	289	1985
1986	---	---	56.2	86.0	300	785	698	406	289	223	---	---	353	1986
MEAN	53.7	50.2	48.7	103	303	884	640	454	296	184	93.8	85.1	338	MEAN

LOCATION - LAT 54 12 25 N, LONG 116 03 46 W
DRAINAGE AREA, 19 800 km^2
NATURAL FLOW

ATHABASCA RIVER NEAR WINDFALL - STATION NO. 07AE001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1960	---	2 070 ON JUN 25	---	---	1960
1961	---	949 ON MAY 29	48.48 ON MAR 10	5 590 000	1961
1962	---	955 ON JUN 29	32.88 ON MAR 6	7 120 000	1962
1963	---	917 ON JUN 21	29.78 ON APR 2	6 700 000	1963
1964	---	1 230 ON JUN 20	23.48 ON MAR 30 *	7 630 000	1964
1965	---	2 130 ON JUL 10 *	30.38 ON MAR 31	10 500 000	1965
1966	---	1 190 ON AUG 29	38.58 ON MAR 9	8 720 000	1966
1967	---	1 170 ON JUN 20	28.28 ON MAR 14	7 200 000	1967
1968	1 210 AT 12:10 MST ON JUN 29	1 180 ON JUN 29	56.18 ON MAR 1	6 820 000	1968
1969	1 870 AT 08:52 MST ON AUG 7	1 760 ON AUG 7	43.98 ON MAR 1	8 800 000	1969
1970	1 030 AT 20:38 MST ON JUN 17	845 ON JUN 16	42.58 ON MAR 8	5 320 000	1970
1971	1 780 AT 08:00 MST ON JUN 11	1 700 ON JUL 12	38.88 ON MAR 1	8 400 000	1971
1972	1 870 AT 07:00 MST ON JUN 14 *	1 870 ON JUN 14	44.28 ON MAR 1	8 110 000	1972
1973	1 200 AT 09:00 MST ON JUN 26	1 170 ON JUN 26	55.88 ON MAR 1	6 550 000	1973
1974	1 380 AT 08:10 MST ON JUN 19	1 250 ON JUN 19	42.58 ON MAR 1	7 300 000	1974
1975	858 AT 05:30 MST ON JUL 8	850 ON JUL 8	38.88 ON MAR 11	5 290 000	1975
1976	1 070 AT 08:00 MST ON AUG 18	1 040 ON AUG 18	42.28 ON MAR 6	7 260 000	1976
1977	---	980A ON JUN 10	45.38 ON MAR 28	7 830 000	1977
1978	1 540 AT 04:00 MST ON JUL 13	1 480 ON JUL 13	43.08 ON MAR 13	7 900 000	1978
1979	1 050 AT 23:15 MST ON JUL 12	1 000 ON JUL 12	43.48 ON MAR 1	6 040 000	1979
1980	1 930 AT 07:10 MST ON JUN 6	1 870 ON JUN 6	38.08 ON MAR 6	7 380 000	1980
1981	818 AT 13:50 MST ON MAY 28	809 ON MAY 28	48.68 ON MAR 23	6 000 000	1981
1982	1 820 AT 18:25 MST ON JUL 5	1 780 ON JUL 5	36.08 ON MAR 1	8 520 000	1982
1983	811 AT 17:10 MST ON JUN 23	802 ON JUN 23	38.98 ON MAR 23	5 520 000	1983
1984	1 080 AT 11:35 MST ON JUL 1	1 060 ON JUL 1	42.08 ON MAR 13	5 440 000	1984
1985	784 AT 02:15 MST ON JUN 25	757 ON JUN 25	40.78 ON MAR 29	5 710 000	1985
1986	1 350 AT 20:51 MST ON JUL 18	1 290 ON JUL 19	47.78 ON APR 14	7 460 000	1986
MEAN				7 120 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ATIM CREEK NEAR SPRUCE GROVE - STATION NO. 05EA005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1979	---	---	---	---	0.409	0.233	0.262	0.223	0.176	0.180	---	---	---	1979
1980	---	---	---	0.812	0.222	0.303	0.115	0.228	0.115	---	---	---	---	1980
1981	---	---	---	0.561	0.234	0.138	0.186	0.105	0.112	---	---	---	---	1981
1982	---	---	---	---	0.600	0.130	0.382	0.102	0.144	0.146	---	---	---	1982
1983	---	---	---	0.442	0.155	0.226	0.259	0.045	0.041	0.185	---	---	0.199	1983
1984	---	---	---	0.175	0.386	0.297	0.155	0.101	0.289	0.170	---	---	0.226	1984
1985	---	---	0.329	0.848	0.347	0.245	0.109	0.127	0.115	0.237	---	---	0.268	1985
1986	---	---	0.705	0.405	0.231	0.152	0.483	0.061	0.128	0.183	---	---	0.235	1986
MEAN	---	---	0.517	0.540	0.324	0.216	0.248	0.123	0.142	0.180	---	---	0.237	MEAN

LOCATION - LAT 53 34 20 N, LONG 113 56 00 W DRAINAGE AREA, 315 km^2 NATURAL FLOW

DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

ATIM CREEK NEAR SPRUCE GROVE - STATION NO. 05EA005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1979	1.92 AT 23 00 MST ON APR 18	1.51 ON APR 19	---	---	1979
1980	2.04 AT 09 00 MST ON APR 9	1.77 ON APR 9	---	---	1980
1981	---	0.814 ON APR 1	---	---	1981
1982	4.08 AT 17 30 MST ON APR 21 *	3.95 E ON APR 22 *	---	---	1982
1983	0.864 AT 07 08 MST ON APR 9	0.771 ON APR 8	0 ON AUG 26 *	3 890	1983
1984	1.18 AT 07 17 MST ON JUN 7	1.09 ON JUN 7	0.050 ON AUG 9	4 180	1984
1985	---	2.15 ON APR 1	0 ON AUG 9	5 320	1985
1986	---	2.51 ON JUL 18	0.002 ON AUG 21	4 340	1986
MEAN				4 380	MEAN

E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ATIMOSWE CREEK NEAR ELK POINT - STATION NO. 05ED002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	0.259	0.080	0.086	0.126	---	---	---	1975
1976	---	---	0.004	---	---	---	0.075	0.020	0.015	0.083	---	---	---	1976
1977	---	---	0	0.251	0.313	0.055	0.011	0.072	0.021	0.041	---	---	0.095	1977
1978	---	---	0.004	1.48	0.265	0.305	0.022	0.018	0.039	0.041	---	---	0.267	1978
1979	---	---	0	2.58	0.888	0.795	0.549	0.231	0.052	0.041	---	---	0.581	1979
1980	---	---	0	1.45	0.108	0.045	0.084	0.100	0.029	0.041	---	---	0.235	1980
1981	---	---	0.257	1.62	0.059	0.032	0.026	0.003	0.013	0.004	---	---	0.272	1981
1982	---	---	0	0.229	0.224	0.004	0.022	0.005	0.003	0.011	---	---	0.062	1982
1983	---	---	0.002	0.068	0.009	0.012	0.033	0.010	0.055	0.024	---	---	0.020	1983
1984	---	---	0.260	1.34	0.084	0.091	0.053	0.139	0.038	0.085	---	---	0.258	1984
1985	---	---	0.034	1.52	0.384	0.089	0.075	0.114	0.016	0.043	---	---	0.275	1985
1986	---	---	0.187	0.733	0.145	0.050	0.185	0.049	0.008	0.055	---	---	0.176	1986
MEAN	---	---	0.087	1.15	0.247	0.098	0.112	0.071	0.034	0.048	---	---	0.224	MEAN

LOCATION - LAT 53 53 10 N LONG 110 55 10 W
DRAINAGE AREA, 384 km²
NATURAL FLOW

ATIMOSWE CREEK NEAR ELK POINT - STATION NO. 05ED002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1975	---	---	---	---	1975
1976	---	---	---	---	1976
1977	---	---	0 B ON MAR 6 *	---	1977
1978	4.848 AT 15:30 MST ON APR 11	0.780 ON MAY 20	0 B ON MAR 1	2 020	1978
1979	13.1 AT 05:30 MST ON APR 26 *	3.85 B ON APR 11	0 B ON MAR 1	5 880	1979
		12.3 ON APR 26 *	0 B ON MAR 1	12 300	
1980	10.0 B AT 11:50 MST ON APR 14	7.91 B ON APR 14	0 B ON MAR 1	4 770	1980
1981	8.15 AT 08:30 MST ON APR 3	7.10 B ON APR 2	0 ON JUN 15	5 760	1981
1982	1.088 AT 13:30 MST ON APR 28	1.03 B ON APR 28	0 B ON MAR 1	1 320	1982
1983	1.88 AT 10:13 MST ON SEP 27	0.323 ON SEP 27	0 B ON MAR 1	809	1983
1984	---	5.55 B ON APR 2	0.0018 ON MAR 1	5 450	1984
1985	5.55 AT 15:31 MST ON APR 7	3.86 ON APR 6	0.081 ON AUG 22	5 830	1985
1986	---	3.00 B ON APR 3	0.094 ON SEP 28	3 740	1986
				4 750	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ATLAS MINE COULEE AT WESTERN MONARCH - STATION NO. 05CG005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	---	---	---	0.027	0.002	0.009	0.008	---	---	---	1982
1983	---	---	0.051	0.026	0.033	0.013	0.001	0	0	0	---	---	0.015	1983
1984	---	---	0.024	0.007	0.002	0.016	0.019	0.028	0.031	0.002	---	---	0.018	1984
1985	---	---	0.135	0.078	0.018	0	0.001	0.007	0.004	0.001	---	---	0.031	1985
1986	---	---	0.018	0.002	0.015	0.008	0.008	0.001	0.051	0.010	---	---	0.014	1986
MEAN	---	---	0.057	0.028	0.018	0.008	0.011	0.008	0.018	0.004	---	---	0.019	MEAN

LOCATION - LAT 51 19 42 N LONG 112 28 34 W
DRAINAGE AREA, 52.3 km²
NATURAL FLOW

ATLAS MINE COULEE AT WESTERN MONARCH - STATION NO. 05CG005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1982	---	---	---	---	1982
1983	0.479 AT 03:28 MST ON JUN 25	0.208 ON MAY 23	0B ON MAR 1 *	326	1983
1984	0.389 AT 19:55 MST ON JUL 29	0.255 ON JUL 31	0B ON MAR 1	342	1984
1985	---	0.5978 ON MAR 18	0 ON JUN 7	955	1985
1986	2.68 ON SEP 25 *	0.606A ON SEP 25 *	0 ON MAY 27	301	1986
				403	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ATUSIS CREEK NEAR REDLAND - STATION NO. 05CE004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	---	---	0.469	0.037	0.108	0.009	---	---	---	1965
1966	---	---	1.44	0.052	0.007	0.087	0.278	0.013	0.023	0	---	---	0.238	1966
1967	---	---	0	1.27	0.114	0	0.112	0	0	0	---	---	0.184	1967
1968	---	---	0.030	0.022	0	0.015	0.044	0.033	0.117	0.057	---	---	0.038	1968
1969	---	---	0	1.09	0.003	0	0	0	0	0	---	---	0.134	1969
1970	---	---	0.113	0.031	0.001	0.302	0.238	0	0	0	---	---	0.085	1970
1971	---	---	0.013	2.09	0.003	0	0	0	0	0	---	---	0.258	1971
MEAN	---	---	0.284	0.759	0.021	0.084	0.185	0.013	0.035	0.009	---	---	0.155	MEAN

LOCATION - LAT 51 19 50 N LONG 113 03 15 W
DRAINAGE AREA, 76.9 km²
NATURAL FLOW

ATUSIS CREEK NEAR REDLAND - STATION NO. 05CE008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	---			
1966	18.7 E ON JUL 3 *	12.3 E ON MAR 27	0 ON JUN 25 *	---	1965
1967	---	7.76 ON APR 14	0E ON MAR 1	5 000	1966
1968	3.38 AT 21:30 MST ON SEP 22	1.47 ON SEP 23	0B ON MAR 1	3 900	1967
1969	---	7.38A ON APR 6	0B ON MAR 1	612	1968
				2 840	1969
1970	5.26 AT 05:30 MST ON JUN 14	3.85 ON JUN 14	0B ON MAR 1		
1971	18.6 AT 21:30 MST ON APR 13	13.3 A ON APR 9 *	0B ON MAR 1	1 800	1970
				5 470	1971
				3 300	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BABETTE CREEK NEAR COLINTON - STATION NO. 07CA003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	0.874	0.375	0.836	0.276	0.298	2.95	0.584	---	---	---	1978
1979	---	---	---	---	0.847	0.261	0.882	0.049	0.001	0.001	---	---	---	1979
1980	---	---	---	0.108	0.026	0.013	0.083	0.187	0.152	---	---	---	---	1980
1981	---	---	---	0.697	0.088	0.033	0.082	0.032	0.005	---	---	---	---	1981
1982	---	---	---	0.635	0.137	0.009	0.113	0.199	0.050	0.008	---	---	---	1982
1983	---	---	---	0.152	0.028	0.195	1.12	0.333	0.076	0.045	---	---	---	1983
1984	---	---	0.085	0.081	0.029	0.234	0.152	0.016	0.105	0.134	---	---	0.102	1984
1985	---	---	0.034	1.77	0.495	0.012	0.003	0	0.001	0.001	---	---	0.287	1985
1986	---	---	0.143	0.172	0.013	0.008	0.001	0.032	0.002	0.008	---	---	0.122	1986
MEAN	---	---	0.082	0.581	0.225	0.175	0.341	0.125	0.372	0.111	---	---	0.170	MEAN

LOCATION - LAT 54 39 10 N, LONG 113 04 45 W
DRAINAGE AREA, 222 km^2
NATURAL FLOW

BABETTE CREEK NEAR COLINTON - STATION NO. 07CA004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	---	6.97 ON SEP 18 *	---	---	1978
1979	5.24 B AT 15:10 MST ON APR 24	5.15 B ON APR 24	0 ON AUG 21 *	---	1979
1980	0.783 AT 12:15 MST ON APR 8	0.3548 ON APR 6	0 B ON APR 1	---	1980
1981	1.84 AT 08:14 MST ON APR 2	1.76 B ON APR 2	0 B ON MAR 13	---	1981
1982	1.80 AT 19:15 MST ON APR 24	1.80 A ON APR 24	0 B ON MAR 23	---	1982
1983	3.80 AT 06:33 MST ON JUN 24	3.56 ON JUL 24	0 B ON MAR 11	---	1983
1984	0.702 AT 05:32 MST ON JUN 6	0.687 ON JUN 6	0 B ON MAR 1	2 180	1984
1985	---	2.87 B ON APR 4	0 B ON MAR 1	5 070	1985
1986	7.71 AT 10:39 MST ON JUL 19 *	6.33 ON JUL 19	0.001 ON JUN 1	2 980	1986
				3 610	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BAD HEART RIVER NEAR HEART VALLEY - STATION NO. 07GJ004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	0.248	0.354	0.585	3.89	0.061	0.050	0.027	0.047	---	---	0.849	1968
1969	---	---	0	3.58	1.14	0.059	0.059	---	---	---	---	---	---	1969
MEAN	---	---	0.124	1.96	0.863	1.97	0.060	0.050	0.027	0.047	---	---	0.849	MEAN

LOCATION - LAT 55 31 52 N, LONG 118 23 26 W
DRAINAGE AREA, 192 km^2
NATURAL FLOW

BAD HEART RIVER NEAR HEART VALLEY - STATION NO. 07GJ004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	142 AT 08:30 MST ON JUN 13 *	88.9 ON JUN 13 *	0.015 ON SEP 2	13 700	1968
1969	---	17.6E ON APR 29	0 B ON MAR 1 *	---	1969
				13 700	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BAKER CREEK NEAR THE MOUTH - STATION NO. 05BA007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	---	---	---	2.58	1.33	0.898	---	---	---	1973
1974	---	---	---	---	1.09	9.88	7.11	3.45	1.28	0.744	---	---	3.91	1974
1975	---	---	---	---	1.23	5.37	5.22	3.11	1.84	0.883	---	---	2.80	1975
1976	---	---	---	---	---	5.84	8.80	5.85	3.70	1.21	---	---	---	1976
MEAN	---	---	---	---	1.16	5.95	5.98	3.77	1.89	0.929	---	---	3.41	MEAN

LOCATION - LAT 51 20 50 N, LONG 115 04 05 W. DRAINAGE AREA, 124 km². NATURAL FLOW

BAKER CREEK NEAR THE MOUTH - STATION NO. 05BA007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1973	---	---	---	---	1973
1974	35.0 AT 02 10 MST ON JUN 24 *	21.1 ON JUN 24 *	0.568E ON OCT 31	82 100	1974
1975	---	7.93E ON JUL 5	0.388 ON MAY 2 *	46 100	1975
1976	15.1 AT 01 30 MST ON JUL 1	13.1 ON JUL 1	0.595 ON MAY 1	---	1976
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		64 100	MEAN

BALFOUR CREEK NEAR THE MOUTH - STATION NO. 05BA011

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	---	---	5.62	4.43	---	---	---	---	---	1974
1975	---	---	---	---	---	---	8.65	4.02	---	---	---	---	---	1975
MEAN	---	---	---	---	---	---	7.14	4.23	---	---	---	---	---	MEAN

LOCATION - LAT 51 35 40 N, LONG 115 36 10 W. DRAINAGE AREA, 38.6 km². NATURAL FLOW. DATA CONTRIBUTED BY - UNIVERSITY OF ILLINOIS

BALFOUR CREEK NEAR THE MOUTH - STATION NO. 05BA011

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1974	---	---	---	---	1974
1975	---	12.2E ON JUL 12 *	---	---	1975
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

BAPTISTE RIVER NEAR THE MOUTH - STATION NO. 05DC012

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	---	---	---	---	---	---	7.23R	4.30R	1.57R	0.790R	---	1984
1985	0.859	0.975	0.780	5.29	4.99	5.68	1.73	4.88	13.2	7.15	3.22	1.35	4.12	1985
1986	1.03	0.915	2.09	5.84	18.5	---	---	---	---	---	5.25	2.10	---	1986
MEAN	0.945	0.945	1.44	5.37	11.7	5.68	1.73	4.88	10.2 R	5.73R	3.35R	1.41 R	4.12	MEAN

LOCATION - LAT 52 39 50 N, LONG 115 04 27 W. DRAINAGE AREA, 1 380 km². NATURAL FLOW. R - REVISED SINCE JAN 1980

MEAN	---	---	---	---	---	---	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 52 43 00 N, LONG 114 39 00 W. DRAINAGE AREA, 189 km². NATURAL FLOW

BAPTISTE RIVER NEAR THE MOUTH - STATION NO. 05DC012

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1984	---	---	---	---	1984
1985	65.5 AT 00 10 MST ON SEP 14	41.8 ON SEP 14 *	0.500E ON MAR 4 *	130 000	1985
1986	---	---	---	---	1986
	R - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		130 000	MEAN

BATH CREEK NEAR LAKE LOUISE - STATION NO. 05BA003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1913	---	---	---	---	---	5.17	4.70	4.29	---	---	---	---	---	1913
1915	---	---	---	---	---	3.81	6.70	9.15	2.78	0.998	0.858	0.505	---	1915
1916	0.448	0.408	---	---	---	---	9.30	5.84	3.50	1.31	0.849	0.484	---	1916
1917	0.378	0.332	0.262	0.258	1.57	3.85	8.03	6.07	3.21	2.29	0.787	0.583	2.32	1917
1918	0.418	0.351	0.322	0.434	1.15	8.97	8.14	7.85	5.20	1.57	0.584	0.508	3.05	1918
1919	0.382	0.308	0.298	0.412	2.06	4.32	6.05	5.27	3.90	1.04	0.578	0.384	2.18	1919
1920	0.304	0.267	0.248	0.291	0.823	2.96	7.67	5.89	2.54	1.15	---	---	---	1920
MEAN	0.386	0.333	0.282	0.349	1.43	4.81	7.23	6.49	3.89	1.39	0.851	0.505	2.52	MEAN

LOCATION - LAT 51 26 25 N
LONG 116 12 30 W
DRAINAGE AREA, 87.6 km²
NATURAL FLOW

BATH CREEK NEAR LAKE LOUISE - STATION NO. 05BA003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1913	---	7.84 ON JUN 13	---	---	1913
1915	---	11.8 ON JUN 25	---	---	1915
1916	---	17.8 ON JUN 20	---	---	1916
1917	---	10.0 ON JUL 21	0.249 ON MAR 26	73 200	1917
1918	---	23.8 ON JUN 16 *	0.284 ON APR 2	96 700	1918
1919	---	7.25A ON MAY 29	0.224A ON FEB 24 *	68 700	1919
1920	---	8.33 ON JUL 16	---	---	1920
	A - MANUAL GAUGE (SEE REFERENCE INDEX)	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		79 500	MEAN

BATTERSEA DRAIN NEAR THE MOUTH - STATION NO. 05AD038

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	0.455	0.524	0.546	0.403	0.488	0.379	---	---	0.482	1973
1974	---	---	---	---	0.033	0.475	0.627	0.534	0.487	0.409	---	---	0.427	1974
1975	---	---	---	---	0.054	0.310	0.373	0.673	0.528	0.332	---	---	0.378	1975
1976	---	---	---	---	0.244	0.373	0.448	0.480	0.840	0.354	---	---	0.421	1976
1977	---	---	---	---	0.245	0.284	0.270	0.223	0.393	0.238	---	---	0.275	1977
1978	---	---	---	---	0.049	0.149	0.545	0.850	0.852	0.400	---	---	0.484	1978
1979	---	---	---	---	0.024	0.402	0.372	0.343	0.606	0.352	---	---	0.333	1979
1980	---	---	---	---	0.422	0.233	0.406	0.487	0.470	0.288	---	---	0.381	1980
1981	---	---	---	---	0.484	0.452	0.561	0.588	0.360	0.488	---	---	0.483	1981
1982	---	---	---	---	0.100	0.389	0.541	0.684	0.653	0.183	---	---	0.422	1982
1983	---	---	---	---	0.128	0.411	0.342	0.503	0.343	0.057	---	---	0.297	1983
1984	---	---	---	---	0.185	0.582	0.117	0.146	0.227	0.186	---	---	0.235	1984
1985	---	---	---	---	0.088	0.278	0.102	0.288	0.233	0.132	---	---	0.187	1985
1986	---	---	---	---	0.033	0.307	0.306	0.332	0.384	0.139	---	---	0.248	1986
MEAN	---	---	---	---	0.180	0.370	0.397	0.464	0.478	0.278	---	---	0.380	MEAN

LOCATION - LAT 49 52 20 N
LONG 112 38 00 W
REGULATED

BATTERSEA DRAIN NEAR THE MOUTH - STATION NO. 05AD038

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1973	---	0.903 ON AUG 7	0.005E ON MAY 1	7 340	1973
1974	---	1.08 ON JUL 8	0.013 ON MAY 28	6 740	1974
1975	---	1.05 ON AUG 19	0.022 ON OCT 31	6 000	1975
1976	---	1.09 ON SEP 13	0.004 ON MAY 10	6 690	1976
1977	---	0.585 ON JUL 18	0.007 ON MAY 4	4 370	1977
1978	---	2.02 ON AUG 23	0.011A ON OCT 30	7 640	1978
1979	---	0.916 ON OCT 20	0.001 ON JUN 3	5 270	1979
1980	---	2.36 ON MAY 24 *	0.008 ON MAY 10	6 080	1980
1981	---	1.63 ON JUN 14	0.007 ON MAY 2	7 680	1981
1982	---	2.23 ON JUL 1	0.018E ON MAY 16	6 700	1982
1983	---	1.04 ON AUG 12	0.009 ON MAY 10	4 720	1983
1984	---	1.15 ON JUN 11	0 B ON OCT 19 *	3 740	1984
1985	---	0.577A ON AUG 16	0.003 ON AUG 6	3 880	1985
1986	---	0.518 ON AUG 11	0.002 ON MAY 1	3 880	1986
	A - MANUAL GAUGE (SEE REFERENCE INDEX)	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD	5 720	MEAN

BATTLE RIVER ABOVE PIPESTONE CREEK - STATION NO. 05PA023

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	0.780	4.66	1.57	2.78	0.435	0.114	0.213	0.989	---	---	1.43	1984
1985	---	---	1.64	18.1	5.85	1.04	0.527	0.098	0.052	0.277	---	---	3.41	1985
1986	---	---	4.25	5.38	6.43	3.00	3.10	5.44	1.87	2.03	---	---	4.07	1986
MEAN	---	---	2.19	9.38	4.62	2.27	1.38	2.22	0.712	1.10	---	---	2.97	MEAN

LOCATION - LAT 52 57 31 N
LONG 113 10 20 W
DRAINAGE AREA, 2 800 km²
NATURAL FLOW

BATTLE RIVER ABOVE PIPESTONE CREEK - STATION NO. 05PA023

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1984	12.5 AT 18:00 MST ON APR 3	10.88 ON APR 3	0.010 ON SEP 5	30 200	1984
1985	48.5 AT 11:43 MST ON APR 8 *	35.5 ON APR 8 *	0.004A ON AUG 9 *	72 200	1985
1986	---	12.4 ON MAY 24	0.555 ON JUL 7	85 100	1986
				62 600	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BATTLE RIVER AT DUHAMEL - STATION NO. 05PA011

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1931	---	---	---	---	---	---	3.47	1.30	0.995	0.481	0.384	0.240	---	1931
1932	---	---	---	5.48	3.45	4.05	---	---	---	---	---	---	---	1932
MEAN	---	---	---	5.48	3.45	4.05	3.47	1.30	0.995	0.481	0.384	0.240	---	MEAN

LOCATION - LAT 52 57 00 N
LONG 112 58 00 W
DRAINAGE AREA, 5 010 km²
NATURAL FLOW

BATTLE RIVER AT DUHAMEL - STATION NO. 05PA011

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1931	---	9.15 ON JUL 8	---	---	1931
1932	---	24.6 ON APR 30 *	---	---	1932
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BATTLE RIVER AT HIGHWAY NO. 41 - STATION NO. 05PE003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	2.78	2.21	0.515	9.20	3.72	---	---	---	1978
MEAN	---	---	---	---	---	2.78	2.21	0.515	9.20	3.72	---	---	---	MEAN

LOCATION - LAT 52 59 45 N
LONG 110 51 15 W
DRAINAGE AREA, 17 800 km²
REGULATED SINCE 1973
DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

BATTLE RIVER BELOW PIPESTONE CREEK - STATION NO. 05PA021

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	1.31	0.383	0.098	---	1.05	---	---	---	1978
MEAN	---	---	---	---	---	1.31	0.383	0.098	---	1.05	---	---	---	MEAN

LOCATION - LAT 52 59 05 N
LONG 113 04 20 W
DRAINAGE AREA, 4 870 km²
NATURAL FLOW
DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

BATTLE RIVER BELOW PIPESTONE CREEK - STATION NO. 05PA021

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1978	---	---	0 ON JUL 31 *	---	1978
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BATTLE RIVER NEAR FORESTBURG - STATION NO. 05PC001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	---	---	---	0.782	0.146	0.027	---	1966
1967	0.008	0.002	0	2.81	17.4	3.76	0.800	0.276	0.078	0.010	---	---	3.15	1967
1968	---	---	1.80	1.97	0.549	0.087	0.079	0.009	0.408	0.492	---	---	0.689	1968
1969	---	---	0	24.9	8.84	1.14	0.511	0.089	0.239	0.215	---	---	4.42	1969
1970	---	---	0.016	21.8	10.2	2.22	5.28	1.98	1.24	0.916	---	---	5.96	1970
1971	---	---	0.026	18.9	26.3	3.86	4.39	5.12	2.40	1.22	---	---	7.77	1971
1972	---	---	0.719	15.6	13.0	3.75	2.36	1.05	1.09	0.882	---	---	4.86	1972
1973	---	---	1.36	13.1	9.82	4.35	9.09	14.7	7.84	4.03	---	---	8.05	1973
1974	---	---	0.456	82.1	137	31.6	13.4	8.37	4.38	2.02	---	---	31.3	1974
1975	---	---	0.016	3.77	21.8	5.32	3.68	1.00	0.280	0.465	---	---	4.58	1975
1976	---	---	0.327	6.76	3.71	0.574	0.188	0.070	0.024	0.110	---	---	1.46	1976
1977	---	---	0.112	0.895	2.63	1.80	0.894	0.118	0.057	0.050	---	---	0.750	1977
1978	---	---	1.52	5.80	3.39	1.56	0.707	0.403	3.62	2.24	---	---	2.37	1978
1979	---	---	4.87	18.5	14.0	3.36	1.64	1.04	0.357	0.824	---	---	5.55	1979
1980	---	---	0.274	13.0	5.27	2.86	4.86	4.63	7.87	8.47	---	---	5.01	1980
1981	---	---	6.65	13.5	5.03	3.27	2.27	10.2	5.71	3.36	---	---	5.35	1981
1982	---	---	0.581	6.22	44.1	10.0	33.0	15.6	5.35	5.64	---	---	14.4	1982
1983	---	---	2.95	21.5	9.46	4.78	32.5	5.40	1.85	1.35	---	---	10.1	1983
1984	---	---	0.498	8.00	3.33	3.01	0.935	0.017	0.212	0.422	---	---	1.91	1984
1985	---	---	8.89	38.0	14.1	2.30	0.199	0.512	0.019	0.036	---	---	7.70	1985
1986	---	---	10.5	13.0	8.86	5.59	2.61	6.86	4.12	3.00	---	---	6.76	1986
MEAN	0.008	0.002	1.97	15.2	17.9	4.80	5.47	3.97	2.46	1.78	0.146	0.027	6.86	MEAN

LOCATION - LAT 52 31 26 N DRAINAGE AREA, 7 880 km²
LONG 112 20 25 W REGULATED SINCE 1973

BATTLE RIVER NEAR FORESTBURG - STATION NO. 05PC001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1966	---	---	---	---	1966
1967	31.4 AT 15:00 MST ON MAY 1	31.1 ON MAY 1	0 B ON MAR 1 *	88 700	1967
1968	10.5 AT 23:30 MST ON OCT 7	7.62 ON OCT 6	0 ON JUN 27	14 200	1968
1969	---	37.7 B ON APR 10	0 E ON MAR 1	93 500	1969
1970	45.9 AT 12:00 MST ON JUL 1	43.6 ON JUL 1	0.0148 ON MAR 1	118 000	1970
1971	49.3 AT 17:30 MST ON MAY 1	49.0 ON APR 30	0.0288 ON MAR 1	184 000	1971
1972	29.2 AT 12:00 MST ON APR 23	28.5 ON APR 23	0 B ON MAR 14	88 800	1972
1973	28.6 AT 09:00 MST ON AUG 7	27.6 ON AUG 7	0 B ON MAR 1	171 000	1973
1974	343 A AT 08:40 MST ON APR 30 *	242 A ON APR 30 *	0.3658 ON MAR 27	882 000	1974
1975	33.7 AT 11:00 MST ON MAY 8	33.7 ON MAY 8	0.0148 ON MAR 1	97 000	1975
1976	---	10.0 B ON APR 7	0.014 ON SEP 13	30 800	1976
1977	11.0 AT 15:30 MST ON MAY 15	9.15 ON MAY 17	0 ON AUG 22	15 500	1977
1978	15.5 AT 13:20 MST ON JUN 30	14.5 ON JUN 30	0 ON AUG 3	50 100	1978
1979	22.0 AT 20:10 MST ON MAY 1	22.0 ON MAY 1	0.018 ON SEP 10	118 000	1979
1980	35.5 AT 11:00 MST ON APR 22	35.3 ON APR 22	0.1008 ON MAR 1	127 000	1980
1981	---	21.0 B ON MAR 29	1.30 B ON MAR 9	135 000	1981
1982	82.9 AT 22:47 MST ON MAY 5	82.4 ON MAY 5	0.2358 ON APR 3	304 000	1982
1983	46.5 AT 15:13 MST ON JUL 8	45.1 ON JUL 8	0.986 ON JUN 17	214 000	1983
1984	10.3 AT 22:25 MST ON APR 10	10.2 ON APR 10	0 B ON MAR 1	40 300	1984
1985	51.9 AT 15:38 MST ON APR 21	51.4 ON APR 21	0.002 ON JUL 15	185 000	1985
1986	41.5 AT 08:15 MST ON MAR 30	36.1 ON MAR 30	1.93 ON JUL 15	144 000	1986
				142 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BATTLE RIVER NEAR PONOKA - STATION NO. 05FA001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1913	---	---	---	---	---	4.80	5.77	2.89	1.57	1.23	0.891	---	---	1913
1914	---	---	---	2.32	10.6	23.0	5.62	1.01	0.927	1.55	0.930	0.926	---	1914
1915	0.788	0.481	1.22	3.80	3.84	26.7	30.5	5.05	2.02	2.32	1.24	0.490	5.55	1915
1916	0.228	0.272	4.37	7.47	6.50	10.5	15.6	6.38	23.5	6.84	3.51	1.84	7.44	1916
1917	1.46	1.47	1.84	30.3	27.9	11.7	5.08	0.883	0.916	0.988	1.67	1.38	7.11	1917
1918	1.39	1.41	1.57	4.48	2.71	2.73	1.06	0.575	0.576	0.880	0.334	0.199	1.47	1918
1919	0.188	0.125	0.141	10.5	5.83	2.49	1.10	0.530	1.50	0.808	0.831	0.388	2.01	1919
1920	0.455	0.477	0.578	10.1	41.5	8.11	2.49	0.793	0.647	0.753	0.553	0.385	5.81	1920
1921	0.458	0.447	0.541	7.46	2.46	1.75	1.42	0.490	0.373	0.386	0.192	0.037	1.33	1921
1922	0.005	0.003	0.003	0.831	0.903	0.779	0.411	0.270	0.196	0.209	0.073	---	---	1922
1923	---	---	---	1.81	1.47	2.30	2.73	2.52	0.939	0.911	---	---	---	1923
1924	---	---	---	1.38	1.86	1.04	0.488	1.04	0.844	0.790	0.450	0.262	---	1924
1925	0.181	0.081	0.089	15.4	2.71	2.78	1.05	0.793	1.04	1.11	0.886	0.740	2.22	1925
1926	0.743	0.669	2.07	7.17	2.22	20.3	3.52	1.52	14.7	5.58	2.38	1.87	5.18	1926
1927	1.53	1.08	1.52	32.0	22.5	8.84	23.0	2.40	1.45	2.05	1.20	1.12	8.25	1927
1928	1.25	1.86	14.2	11.5	4.10	8.48	9.89	1.84	1.14	1.27	0.822	0.520	4.72	1928
1929	0.550	0.304	1.23	3.96	3.21	1.82	0.747	0.295	0.181	0.245	0.176	0.100	1.05	1929
1930	0.086	0.048	0.102	1.16	0.844	0.800	0.646	0.421	0.283	---	---	---	---	1930
1931	---	0.024	0.031	0.895	---	---	---	---	---	0.271	0.168	0.070	---	1931
1932	0.089	---	---	---	---	---	---	---	---	---	---	---	---	1932
1986	---	---	---	---	---	---	0.380	0.243	0.116	0.138	---	---	---	1986
1987	---	---	0	3.32	2.80	1.92	0.328	0.011	0	0	---	---	---	1987
1988	---	---	2.55	0.880	0.373	0.147	0.059	0.058	0.025	0.033	---	---	---	1988
1989	---	---	0.182	10.5	0.788	0.320	0.189	0.094	0.083	0.318	---	---	---	1989
1970	---	---	0.093	8.87	1.12	1.31	2.38	0.280	0.206	0.243	---	---	---	1970
1971	---	---	0.219	15.7	2.41	1.84	4.08	0.448	0.156	0.263	0.171	0.182	---	1971
1972	0.088	0.081	0.810	7.84	1.82	1.15	1.01	0.791	0.333	0.470	0.307	0.188	1.23	1972
1973	0.101	0.089	0.827	6.51	3.51	2.02	7.50	6.74	1.13	0.717	0.586	0.389	2.83	1973
1974	0.306	0.310	0.302	33.0	14.4	4.53	4.88	1.67	0.805	0.529	0.442	0.165	5.08	1974
1975	0.168	0.182	0.210	8.23	8.85	1.78	0.835	0.282	0.140	0.173	0.145	0.084	1.44	1975
1976	0.087	0.106	0.175	3.55	0.849	0.084	0.047	0.527	0.103	0.039	0.090	0.098	0.480	1976
1977	0.132	0.158	0.219	1.22	3.05	2.43	0.257	0.073	0.107	0.135	0.127	0.100	0.869	1977
1978	0.050	0.036	1.44	4.21	1.78	1.31	0.278	0.209	0.802	0.477	0.488	0.380	0.936	1978
1979	0.171	0.105	2.81	4.21	3.03	1.85	0.206	0.245	0.184	0.290	0.195	0.174	1.12	1979
1980	0.121	0.079	0.083	5.48	0.890	2.71	3.83	2.47	3.44	1.81	1.34	0.855	1.90	1980
1981	0.575	0.426	4.53	2.41	3.80	2.22	5.19	13.6	2.49	2.85	2.57	2.08	3.59	1981
1982	1.40	0.485	0.486	19.7	8.87	2.81	16.5	3.48	3.07	2.86	1.78	1.28	5.22	1982
1983	0.920	0.986	2.42	9.84	3.33	1.92	5.02	0.899	0.210	0.456	0.416	0.185	2.31	1983
1984	0.193	0.282	1.53	2.17	1.83	3.18	0.106	0.086	1.22	0.893	0.853	0.384	1.05	1984
1985	0.306	0.218	2.44	18.2	3.24	1.01	0.224	0.457	0.518	0.515	0.485	0.175	2.14	1985
1986	0.216	0.200	5.32	2.44	8.74	1.51	10.4	3.89	0.837	2.19	0.922	0.513	3.10	1986
MEAN	0.473	0.417	1.89	8.36	5.78	4.58	4.53	1.75	1.75	1.11	0.805	0.553	3.17	MEAN

LOCATION - LAT 52 33 44 N
LONG 113 34 55 W

DRAINAGE AREA 1 840 km²
NATURAL FLOW

BATTLE RIVER NEAR PONOKA - STATION NO. 05FA001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1913	---	17.0 ON JUL 16	---	---	1913
1914	---	55.5 ON JUN 10	---	---	1914
1915	---	55.8 ON JUN 6	0.3408 ON DEC 31	206 000	1915
1916	---	58.9 ON SEP 8	0.1738 ON FEB 9	236 000	1916
1917	---	59.5 ON APR 14	0.880 ON AUG 16	224 000	1917
1918	---	7.08 ON APR 14	0.0858 ON NOV 14	46 400	1918
1919	---	28.3 ON APR 14	0.0288 ON NOV 14	83 300	1919
1920	---	90.9 ON MAY 9	0.2498 ON JAN 25	177 000	1920
1921	---	32.3 B ON APR 16	0.0068 ON DEC 25	41 800	1921
1922	---	2.41 ON JUN 6	0 B ON MAR 26 *	---	1922
1923	---	6.31 ON JUL 11	---	---	1923
1924	---	3.96 B ON APR 28	---	---	1924
1925	---	55.2 ON APR 10	0.0208 ON MAR 16	70 200	1925
1926	46.4 AT 07:35 MST ON JUN 23	46.2 ON JUN 23	0.6098 ON FEB 17	163 000	1926
1927	74.4 ON JUL 10	75.6 ON JUL 11	0.9818 ON FEB 17	260 000	1927
1928	---	53.0 B ON MAR 26	0.4788 ON DEC 20	148 000	1928
1929	---	8.67 B ON APR 18	0.0408 ON FEB 7	33 100	1929
1930	---	1.53 B ON APR 2	0.0378 ON FEB 24	---	1930
1931	---	---	0 B ON NOV 19	---	1931
1932	---	0.2868 ON JAN 10	0.0318 ON JAN 6	---	1932
1966	---	---	---	---	1966
1967	---	17.4 B ON APR 26	0 B ON MAR 1	---	1967
1968	---	---	0 A ON JUL 8	---	1968
1969	---	66.0 B ON APR 10	0 ON AUG 30	---	1969
1970	---	31.7 ON APR 12	---	---	1970
1971	55.5 AT 18:00 MST ON APR 16	53.5 ON APR 16	---	---	1971
1972	---	17.8 B ON APR 9	0.0788 ON FEB 1	38 000	1972
1973	28.2 AT 24:00 MST ON JUL 4	27.8 ON JUL 5	0.0598 ON FEB 9	78 800	1973
1974	108 AT 11:00 MST ON APR 18 *	104 ON APR 19 *	0.1138 ON DEC 16	180 000	1974
1975	---	20.0 B ON APR 22	0.024 ON SEP 29	46 300	1975
1976	---	11.1 B ON APR 10	0.017 ON AUG 14	14 800	1976
1977	11.0 AT 13:00 MST ON MAY 31	9.88 ON MAY 31	0.008 ON JUL 27	21 100	1977
1978	13.88 AT 04:30 MST ON APR 1	12.7 B ON APR 1	0.0338 ON JAN 21	29 800	1978
1979	15.6 AT 13:00 MST ON APR 22	15.2 ON APR 22	0.073A ON JUL 25	35 200	1979
1980	17.3 AT 07:00 MST ON JUL 4	14.4 ON JUL 4	0.0858 ON MAR 18	59 800	1980
1981	85.3 AT 05:15 MST ON AUG 2	63.7 ON AUG 2	0.3608 ON FEB 18	113 000	1981
1982	90.7 AT 02:21 MST ON APR 24	89.3 ON APR 24	0.2808 ON MAR 3	184 000	1982
1983	---	21.3 B ON APR 4	0.033 ON SEP 10	72 800	1983
1984	11.1 AT 15:27 MST ON SEP 25	9.76 ON JUN 11	0.001 ON AUG 2	33 100	1984
1985	---	54.5 B ON APR 4	0.093 ON JUL 30	87 300	1985
1986	47.5 AT 13:55 MST ON JUL 21	45.7 ON JUL 21	0.1208 ON FEB 21	97 800	1986
				100 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BATTLE RIVER NEAR THE SASKATCHEWAN BOUNDARY - STATION NO. 05FE004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	3.83	3.28	1.04	---	---	---	---	---	1978
1979	---	---	---	---	---	---	---	---	---	---	---	0.838	---	1979
1980	0.566	0.382	0.545	23.7	11.8	5.81	8.38	8.88	8.83	10.8	8.82	3.00	7.36	1980
1981	1.88	1.58	8.38	22.1	8.83	6.86	3.18	5.83	10.4	6.06	3.86	2.38	6.86	1981
1982	1.40	1.40	1.23	8.73	47.4	14.8	23.7	24.8	8.83	7.18	4.86	2.78	12.4	1982
1983	2.26	1.86	4.43	26.8	17.0	8.02	50.5	12.8	4.68	2.86	2.38	1.78	11.4	1983
1984	1.00	1.19	2.80	14.2	5.16	6.06	2.87	0.876	1.48	2.13	0.914	0.810	3.30	1984
1985	0.631	0.533	4.71	56.1	30.7	7.58	2.37	1.56	1.88	1.83	0.432	0.323	8.03	1985
1986	0.458	0.552	11.0	38.1	11.5	11.2	7.83	12.0	5.83	5.41	3.83	1.88	8.31	1986
MEAN	1.20	1.07	4.73	25.7	18.9	8.05	12.8	8.18	5.83	5.01	3.30	1.70	8.35	MEAN

LOCATION - LAT 52 51 23 N LONG 110 01 06 W DRAINAGE AREA, 25 000 km^2 REGULATED SINCE 1973

BATTLE RIVER NEAR THE SASKATCHEWAN BOUNDARY - STATION NO. 05FE004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	---	---	---	---	1978
1979	---	---	---	---	1979
1980	53.2 AT 20:06 CST ON APR 16	46.38 ON APR 16	0.1828 ON FEB 20	233 000	1980
1981	---	33.88 ON APR 5	1.23 B ON FEB 18	210 000	1981
1982	57.9 AT 18:21 CST ON MAY 13	57.6 ON MAY 13	1.03 B ON JAN 5	391 000	1982
1983	78.4 AT 10:12 CST ON JUL 9 *	78.7 ON JUL 9 *	1.27 B ON DEC 30	389 000	1983
1984	---	21.08 ON APR 6	0.486 ON SEP 7	104 000	1984
1985	---	74.58 ON APR 4	0.1468 ON NOV 30 *	285 000	1985
1986	---	56.28 ON APR 3	0.2318 ON JAN 3	262 000	1986
				283 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BEAR CREEK NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AA028

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	---	---	0	0	---	---	---	1966
1967	---	---	0.283	0.352	1.97	0.402	0.004	0	0	0	---	---	0.378	1967
1968	---	---	0.081	0.084	0.239	0.135	0.032	0	0	0.054	0.096	---	0.081	1968
1969	---	---	0.284	0.307	0.083	0.022	0.041	0	0	0	---	---	0.087	1969
1970	---	---	0.007	0.039	0.200	0.229	0.021	0	0	0	---	---	0.082	1970
1971	---	---	0.039	0.158	0.114	0.255	0.005	0	0	0	---	---	0.070	1971
1972	---	---	0.142	0.087	0.044	0.003	0	0	0	0	---	---	0.032	1972
1973	---	---	0	0	0	0	0	0	0	0	---	---	0	1973
1974	---	---	0.006	0.001	0.150	0.082	0	0	0	0	---	---	0.027	1974
1975	---	---	0	0.406	1.38	0.935	0.102	0.012	0.001	0.013	---	---	0.353	1975
1976	---	---	0.118	0.072	0.088	0.056	0.010	0	0	0	---	---	0.043	1976
1977	---	---	0	0.016	0.004	0	0	0	0	0	---	---	0.002	1977
1978	---	---	0.853	0.270	0.378	0.078	0.040	0	0	0.011	0.019	---	0.220	1978
1979	---	---	0.578	0.564	0.872	0.061	0	0	0	0	---	---	0.231	1979
1980	---	---	0.006	0.016	0.010	0.007	0	0	0	0	---	---	0.005	1980
1981	---	---	0.001	0	0.283	0.058	0.020	0	0	0	---	---	0.047	1981
1982	---	---	0.058	0.188	0.085	0.684	0.088	0	0	0	---	---	0.133	1982
1983	---	---	0.080	0.028	0.208	0.041	0.027	0	0	0	---	---	0.045	1983
1984	---	---	0	0.005	0.010	0	0	0	0	0	---	---	0.002	1984
1985	---	---	0.002	0.055	0.101	0.044	0	0	0	0.002	---	---	0.025	1985
1986	---	---	0.111	0.071	0.288	0.083	0	0	0	0	---	---	0.088	1986
MEAN	---	---	0.135	0.135	0.318	0.156	0.019	0.001	0.003	0.008	---	---	0.086	MEAN

LOCATION - LAT 49 01 30 N DRAINAGE AREA 87.3 km²
LONG 111 12 48 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1973

BEAR CREEK NEAR INTERNATIONAL BOUNDARY - STATION NO 11AA028

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1966	---	---	---	---	1966
1967	8.26 AT 04 30 MST ON MAY 9	5.40 ON MAY 9 *	0 ON AUG 26 *	---	1967
1968	0.823 AT 19 45 MST ON MAY 25	0.413 ON MAY 13	0 ON JUL 7	8 000	1968
1969	1.34 B AT 07 00 MST ON MAR 19	1.27 B ON MAR 19	0 ON JUL 22	1 940	1969
1970	1.47 AT 02 57 MST ON JUN 18	1.31 ON JUN 18	0B ON MAR 7	1 840	1970
1971	2.88 A ON JUN 7	1.83 A ON JUN 8	0 ON MAR 1	1 300	1971
1972	1.05 AT 19 00 MST ON MAR 10	0.686 ON MAR 11	0 ON JUL 16	1 490	1972
1973	---	0.003 ON MAR 1	0 ON MAR 1	878	1973
1974	0.631 AT 05 05 MST ON MAY 28	0.586 ON MAY 28	0 ON MAR 3	0.35	1974
			0 ON MAR 4	580	
1975	10.0 AT 09 30 MST ON JUN 20 *	5.47 ON JUN 20	0 ON MAR 1	7 480	1975
1976	0.940 AT 17 50 MST ON MAR 18	0.833 ON MAR 18	0 ON JUL 22	938	1976
1977	0.184 AT 09 35 MST ON APR 6	0.125 ON APR 7	0E ON MAR 1	51.6	1977
1978	---	4.39 B ON MAR 21	0B ON MAR 1	4 650	1978
1979	5.11 B AT 19 50 MST ON MAR 7	3.77 B ON MAR 7	0 ON JUN 30	4 890	1979
1980	---	0.182 ON APR 16	0B ON MAR 1	104	1980
1981	1.07 AT 04 55 MST ON MAY 18	0.891 ON MAY 18	0 ON MAR 1	992	1981
1982	4.74 AT 15 55 MST ON JUN 1	2.55 ON JUN 4	0E ON MAR 1	2 820	1982
1983	0.676 AT 23 10 MST ON MAY 16	0.526 ON MAY 19	0 ON JUL 30	947	1983
1984	0.382 AT 18 20 MST ON MAY 16	0.052 ON MAY 15	0 ON MAR 1	38.6	1984
1985	1.61 AT 15 15 MST ON MAY 31	0.800 ON MAY 31	0 ON MAR 1	538	1985
1986	---	1.15 ON MAY 23	0 ON JUL 2	1 450	1986
				2 030	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BEAR CREEK NEAR VALHALLA CENTRE - STATION NO 07GE007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1985	---	---	0.926	0.617	0.021	0.002	0	0	0	0	---	---	0.186	1985
1986	---	---	1.84	1.36	0.585	0.022	0	0	0	0	---	---	0.477	1986
MEAN	---	---	1.38	0.988	0.303	0.012	0	0	0	0	---	---	0.331	MEAN

LOCATION - LAT 55 24 02 N DRAINAGE AREA 181 km²
LONG 119 22 53 W NATURAL FLOW

BEAR CREEK NEAR VALHALLA CENTRE - STATION NO. 07GE007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1985	5.588 AT 18 00 MST ON MAR 21	5.208 ON MAR 20	0B ON MAR 1 *	4 140	1985
1986	17.8 B AT 21 30 MST ON MAR 28 *	14.0 B ON MAR 28 *	0 ON JUN 11	10 100	1986
				7 120	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BEAR RIVER NEAR GRANDE PRAIRIE - STATION NO. 07GE005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1983	0	0	0	5.38	6.07	4.13	6.89	3.87	2.02	1.18	0.813	0.454	2.57	1983
1984	0.480	0.314	0.873	0.230	1.08	2.08	1.20	0.046	0.024	0.083	0.007	0	0.517	1984
1985	0	0	1.91	5.86	2.71	1.41	0.516	0.384	0.149	0.057	0.008	0	1.06	1985
1986	0	0.029	1.22	7.05	7.73	4.11	2.47	1.35	0.899	0.491	0.345	0.207	2.15	1986
MEAN	0.115	0.086	0.851	4.56	4.40	2.93	2.77	1.36	0.723	0.455	0.293	0.165	1.57	MEAN

LOCATION - LAT 55 12 00 N
LONG 118 50 08 W
DRAINAGE AREA, 1 510 km²
NATURAL FLOW

BEAR RIVER NEAR GRANDE PRAIRIE - STATION NO. 07GE005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1983	19.7 AT 10:52 MST ON APR 17 *	19.4 ON APR 17 *	0B ON JAN 1 *	61 100	1983
1984	8.21 AT 08:00 MST ON JUN 9	5.76 ON JUN 9	0 ON AUG 22	16 300	1984
1985	13.4 B AT 05:30 MST ON APR 3	10.5 B ON APR 3	0B ON JAN 1	33 400	1985
1986	13.9 B AT 09:00 MST ON APR 6	13.3 B ON APR 6	0B ON JAN 1	67 800	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		49 700	MEAN

BEARBERRY CREEK NEAR SUNDRE - STATION NO. 05CA011

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	2.80	1.94	1.81	---	---	---	0.454	---	---	---	1978
1979	---	---	---	---	1.13	0.667	0.225	0.174	0.087	---	---	---	---	1979
1980	---	---	---	---	0.479	---	---	0.301	0.109	0.217	---	---	---	1980
1981	---	---	---	0.872	4.05	0.891	5.32	2.35	0.586	---	---	---	---	1981
1982	---	---	---	---	1.55	1.40	3.61	0.758	0.353	0.422	---	---	---	1982
1983	---	---	---	3.88	1.40	0.458	1.53	0.196	0.109	0.109	---	---	0.823	1983
1984	---	---	---	---	0.271	1.20	0.038	0.026	0.132	0.136	---	---	---	1984
1985	---	---	---	---	0.785	---	0.045	0.229	1.39	0.509	---	---	---	1985
1986	---	---	---	0.886	4.13	1.46	5.65	1.04	3.26	1.87	---	---	2.76	1986
MEAN	---	---	---	1.88	1.75	1.14	2.49	0.834	0.753	0.545	---	---	1.84	MEAN

LOCATION - LAT 51 48 25 N
LONG 114 42 30 W
DRAINAGE AREA, 227 km²
NATURAL FLOW

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

BEARBERRY CREEK NEAR SUNDRE - STATION NO. 05CA011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	---	---	---	---	1978
1979	5.44 AT 03:30 MST ON JUN 21	5.108 ON APR 27	---	---	1979
1980	---	---	---	---	1980
1981	88.3 AT 22:37 MDT ON JUL 30 *	41.0 ON JUL 31	---	---	1981
1982	33.7 AT 07:54 MST ON JUL 5	24.8 ON JUL 5	---	---	1982
1983	42.3 AT 16:23 MST ON APR 25	25.4 ON APR 25	0.059 ON SEP 8 *	17 100	1983
1984	10.9 AT 15:55 MST ON JUN 9	9.28 ON JUN 9	---	---	1984
1985	20.8 AT 07:42 MST ON SEP 13	15.6 ON SEP 13	---	---	1985
1986	77.2 AT 05:56 MST ON JUL 18	59.8 ON JUL 18 *	0.251 ON JUN 25	51 000	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		34 100	MEAN

BEAVER CREEK NEAR BROCKET - STATION NO. 05AB013

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1921	---	---	0.142	0.317	0.111	0.062	0.017	0	0	0.011	---	---	0.082	1921
1922	---	---	0.060	0.272	0.313	0.175	0.189	0.033	0.013	0.018	---	---	0.131	1922
1923	---	---	0.069	0.147	0.378	5.43	2.27	0.478	0.186	0.116	---	---	1.25	1923
1924	---	---	0.106	0.433	0.221	0.588	0.483	0.227	0.062	0.084	---	---	0.275	1924
1925	---	---	0.721	0.772	0.436	0.347	0.141	0.084	0.056	0.117	---	---	0.334	1925
1926	---	---	---	---	0.256	0.547	0.288	0.189	0.053	0.087	---	---	---	1926
1927	---	---	0.689	0.746	4.22	3.77	0.901	0.301	0.180	0.148	---	---	1.36	1927
1928	---	---	0.335	0.382	0.190	0.158	0.073	0.086	0.207	0.228	---	---	0.202	1928
1929	---	---	1.15	1.15	0.487	0.540	0.794	0.198	0.098	0.103	---	---	0.581	1929
1970	---	---	0.028	0.184	0.291	0.405	0.290	0.096	0.072	0.075	---	---	0.181	1970
1971	---	---	0.118	0.403	0.141	0.277	0.100	0.013	0.022	0.041	---	---	0.138	1971
1972	---	---	1.40	1.03	1.19	0.858	0.414	0.182	0.117	0.127	---	---	0.888	1972
1973	---	---	0.157	0.188	0.181	0.189	0.034	0.010	0.018	0.028	---	---	0.101	1973
1974	---	---	1.08	0.809	0.712	0.849	0.277	0.191	0.089	0.077	---	---	0.462	1974
1975	---	---	0.083	0.711	0.885	1.50	0.818	0.378	0.188	0.137	---	---	0.883	1975
1976	---	---	0.803	0.227	0.136	0.148	0.051	0.858	0.236	0.138	---	---	0.301	1976
1977	---	---	0.184	0.131	0.081	0.028	0.004	0.012	0.025	0.028	---	---	0.057	1977
1978	---	---	1.30	0.270	0.807	1.05	0.821	0.322	0.271	0.154	---	---	0.575	1978
1979	---	---	0.880	0.700	1.05	0.510	0.185	0.089	0.054	0.055	---	---	0.402	1979
1980	---	---	0.150	0.228	0.088	0.119	0.020	0.008	0.018	0.031	---	---	0.082	1980
1981	---	---	0.095	0.088	0.482	0.704	0.332	0.136	0.050	0.055	---	---	0.236	1981
1982	---	---	0.078	0.242	0.088	0.100	0.048	0	0	0.008	---	---	0.057	1982
1983	---	---	0.074	0.083	0.085	0.024	0.013	0	0	0	---	---	0.031	1983
1984	---	---	0.038	0.052	0.019	0.005	0	0	0	0	---	---	0.014	1984
1985	---	---	0.027	0.034	0.002	0	0	0	0.004	0.050	---	---	0.015	1985
1986	---	---	0.190	0.154	0.286	0.188	0.085	0.003	0.018	0.035	---	---	0.114	1986
MEAN	---	---	0.378	0.381	0.481	0.745	0.327	0.149	0.078	0.074	---	---	0.329	MEAN

LOCATION - LAT 49 38 21 N DRAINAGE AREA, 256 km²
LONG 113 47 38 W NATURAL FLOW

BEAVER CREEK NEAR BROCKET - STATION NO. 05AB013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1921	---				
1922	---	0.8508 ON APR 2	0 ON JUL 11 *	1 740	1921
1923	15.7 ON JUN 1	1.08 ON APR 28	0 B ON MAR 1	2 780	1922
1924	---	14.5 ON JUN 1 *	0.0238 ON MAR 10	28 400	1923
1925	---	3.23 ON APR 7	0.042 ON OCT 30	5 830	1924
1926	---	3.40 B ON MAR 27	0.011 ON SEP 4	7 080	1925
1927	14.6 AT 19:15 MST ON MAY 8	0.892 ON JUN 5	---	---	1926
1928	0.880 AT 22:50 MST ON SEP 23	8.78 ON MAY 8	0 B ON MAR 11	28 900	1927
1929	---	0.851 ON SEP 28	0.034 ON AUG 6	4 280	1928
1970	1.85 AT 01:40 MST ON JUN 14	4.42 B ON MAR 17	0.0378 ON MAR 1	11 900	1929
1971	1.50 AT 00:00 MST ON JUN 8	1.55 ON JUN 14	0 B ON MAR 1	3 830	1970
1972	---	0.8238 ON MAR 30	0 ON AUG 18	2 840	1971
1973	0.628 AT 22:45 MST ON APR 25	5.86 ON MAR 15	0.0088 ON MAR 1	14 100	1972
1974	21.4 B AT 17:20 MST ON MAR 27	0.479 ON MAY 26	0 ON AUG 5	2 140	1973
1975	8.88 AT 01:00 MST ON JUN 20	6.91 B ON MAR 27	0.0148 ON MAR 4	9 790	1974
1976	26.5 AT 09:20 MST ON AUG 5 *	8.20 ON JUN 20	0.0228 ON MAR 15	12 800	1975
1977	0.580 AT 22:30 MST ON APR 5	6.63 ON AUG 5	0.0088 ON MAR 2	5 370	1976
1978	---	0.379 ON APR 5	0 ON JUL 7	1 200	1977
1979	2.41 B AT 16:10 MST ON MAR 10	4.22 B ON MAR 17	0.0028 ON MAR 1	12 200	1978
1980	---	1.85 B ON MAR 10	0.0038 ON MAR 3	8 490	1979
1981	3.25 AT 03:30 MST ON JUN 14	0.7048 ON MAR 1	0 ON JUL 28	1 740	1980
1982	1.07 AT 21:45 MST ON APR 12	2.84 ON JUN 14	0.032 ON SEP 19	5 000	1981
1983	---	0.843 ON APR 12	0 B ON MAR 1	1 410	1982
1984	0.146 AT 14:25 MST ON APR 18	0.1858 ON MAR 10	0 ON AUG 2	854	1983
1985	0.645 AT 08:59 MST ON SEP 12	0.083 ON APR 6	0 ON JUN 30	299	1984
1986	---	0.088 ON APR 3	0 ON MAR 1	313	1985
		0.485 ON MAR 1	0 ON AUG 19	2 400	1986
				5 970	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BEAVER MINES CREEK NEAR BEAVER MINES - STATION NO. 05AA010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	2.45	1.48	0.283	0.389	2.28	0.578	---	---	---	1911
1912	---	---	---	1.26	0.884	0.408	0.371	0.153	0.088	0.130	---	---	---	1912
1913	---	---	---	---	1.45	0.558	0.197	0.111	0.072	0.085	---	---	---	1913
1914	---	---	---	0.864	0.889	0.359	0.170	0.089	0.087	0.424	---	---	---	1914
1915	---	---	---	---	0.536	2.78	2.15	0.950	0.483	0.342	0.422	---	---	1915
1916	---	---	0.713	1.38	1.52	1.76	0.834	0.249	0.141	0.159	---	---	---	1916
MEAN	---	---	0.713	0.875	1.83	1.12	0.488	0.239	0.505	0.301	---	---	---	MEAN

LOCATION - LAT 49 28 30 N DRAINAGE AREA, 52.4 km²
LONG 114 09 30 W NATURAL FLOW

BEAVER MINES CREEK NEAR BEAVER MINES - STATION NO. 05AA010

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	7.42 ON MAY 16 *	---	---	1911
1912	---	2.49 ON APR 11	---	---	1912
1913	---	3.45 ON APR 21	---	---	1913
1914	---	1.27 ON APR 20	---	---	1914
1915	---	5.72 ON MAY 18	---	---	1915
1916	---	2.89 ON MAY 30	---	---	1916
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD	---	---	MEAN

BEAVER RIVER ABOVE SYNCRUDE - STATION NO. 07DA018

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	---	---	---	0.738	0.188	0.076	---	1975
1976	0.004	0	0.007	1.18	0.412	0.401	0.392	2.80	2.31	1.11	0.185	0.011	0.719	1976
1977	0	0	0.008	0.822	1.16	0.950	0.552	0.551	0.215	0.333	0.158	0.084	0.410	1977
1978	0.031	0.007	0	0.702	1.24	0.511	0.141	0.446	4.71	1.25	0.330	0.083	0.785	1978
1979	0.048	0.023	0.031	0.844	3.86	0.758	0.332	0.588	1.34	0.481	0.325	0.120	0.724	1979
1980	0.060	0.003	0.019	0.734	0.208	0.185	0.272	3.31	1.48	0.880	0.228	0.026	0.591	1980
1981	0.041	0.038	0.125	0.485	0.872	0.493	0.488	0.071	0.017	0.046	0.088	0.060	0.218	1981
1982	0.024	0.017	0.021	0.581	1.88	0.271	0.258	0.339	0.213	0.194	0.087	0.057	0.321	1982
1983	0.041	0.043	0.081	0.981	0.802	0.314	0.142	0.075	0.055	0.087	0.034	0.017	0.204	1983
1984	0.008	0.005	0.011	0.320	0.457	2.02	0.418	0.185	0.207	0.271	0.132	0.101	0.343	1984
1985	0.055	0.047	0.057	0.809	5.00	0.521	0.284	0.109	0.284	0.296	0.188	0.044	0.828	1985
1986	0.030	0.028	0.086	0.284	1.95	0.577	1.56	0.722	0.208	0.212	0.082	0.091	0.489	1986
MEAN	0.031	0.019	0.039	0.883	1.57	0.835	0.438	0.817	1.00	0.484	0.170	0.082	0.494	MEAN

LOCATION - LAT 56 56 28 N DRAINAGE AREA, 185 km^2
LONG 111 33 54 W NATURAL FLOW

BEAVER RIVER ABOVE SYNCRUDE - STATION NO. 07DA018

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	---	---	1975
1976	22.3 AT 01:00 MST ON AUG 28	18.5 ON AUG 28	0 B ON JAN 10 *	22 700	1976
1977	---	2.838 ON APR 18	0 B ON JAN 1	12 800	1977
1978	20.3 AT 21:21 MST ON SEP 8	17.5 ON SEP 10	0 B ON FEB 28	24 700	1978
1979	8.81 AT 03:35 MST ON MAY 12	8.13 ON MAY 12	0.0208 ON FEB 12	22 800	1979
1980	22.7 AT 05:20 MST ON AUG 5	20.7 ON AUG 5	0 B ON FEB 13	18 700	1980
1981	1.44 AT 18:35 MST ON MAY 7	1.408 ON APR 30	0.001E ON SEP 18	5 830	1981
1982	3.18 AT 03:45 MST ON MAY 3	2.95 ON MAY 3	0.0188 ON FEB 15	10 100	1982
1983	2.67 AT 11:13 MST ON APR 23	2.108 ON APR 20	0.0108 ON DEC 30	5 440	1983
1984	18.4 AT 15:03 MST ON JUN 2	13.8 ON JUN 2	0.0058 ON JAN 11	10 900	1984
1985	28.5 AT 10:23 MST ON MAY 6 *	25.7 ON MAY 6 *	0.0328 ON DEC 31	19 800	1985
1986	5.41 AT 11:23 MST ON MAY 24	5.24 ON JUL 31	0.0288 ON FEB 23	15 400	1986
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		15 600	MEAN

BEAVER RIVER AT COLD LAKE RESERVE - STATION NO 08AD005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1955	---	---	---	---	---	---	---	---	---	10.2	3.33	2.11	---	1955
1956	2.18	2.85	2.80	77.8	95.1	60.3	111	49.8	41.1	41.0	23.0	9.30	43.2	1956
1957	4.76	2.94	3.09	30.2	39.7	18.1	15.0	12.7	11.3	18.1	13.1	6.95	14.7	1957
1958	5.75	5.07	4.95	86.6	52.4	19.9	7.73	3.50	7.38	10.6	5.92	2.03	17.6	1958
1959	1.29	1.11	2.25	17.1	14.0	16.2	26.8	11.8	42.2	33.8	23.1	7.14	16.4	1959
1960	3.93	0.912	1.87	37.0	67.6	78.9	71.4	97.0	77.8	40.7	25.5	15.5	43.3	1960
1961	10.2	7.04	8.26	43.2	79.4	31.9	24.5	32.3	7.49	4.18	4.92	2.01	21.4	1961
1962	1.80	1.94	2.35	36.4	89.9	284	145	87.0	37.7	28.5	23.3	10.4	60.8	1962
1963	7.07	5.52	5.53	115	112	44.5	20.0	9.81	7.45	5.89	2.48	1.42	26.0	1963
1964	0.888	0.604	1.70	15.2	32.1	12.3	6.10	10.5	21.9	20.2	9.24	3.50	11.2	1964
1965	3.88	3.37	2.89	26.5	85.0	118	53.8	15.5	29.7	18.4	11.2	7.44	31.4	1965
1966	3.25	3.59	4.90	48.2	34.7	46.5	20.4	16.9	26.0	10.4	7.55	4.42	18.9	1966
1967	4.56	4.07	3.75	17.2	72.6	23.6	10.3	10.6	3.93	3.43	3.90	1.84	13.4	1967
1968	1.30	1.80	3.81	12.3	7.89	6.29	4.03	4.25	11.6	24.2	10.6	3.20	7.61	1968
1969	1.94	1.85	3.78	80.4	60.8	25.2	11.9	13.8	14.8	24.5	11.3	6.97	21.5	1969
1970	4.01	3.16	3.89	53.3	40.9	21.8	184	71.1	83.5	53.7	34.1	17.6	44.6	1970
1971	11.6	9.80	9.69	112	100	57.2	137	47.7	18.2	11.8	8.13	5.25	44.3	1971
1972	3.59	3.72	4.38	40.4	77.0	20.2	9.72	7.57	5.02	7.00	4.42	2.19	15.5	1972
1973	2.54	3.59	2.51	15.4	21.4	53.4	39.4	60.3	54.5	46.1	27.1	17.6	27.9	1973
1974	10.5	8.91	8.67	154	248	81.0	45.1	23.9	21.8	19.8	12.3	7.81	53.7	1974
1975	6.20	6.46	6.00	42.0	82.7	58.5	82.6	39.0	36.1	19.4	11.3	8.02	33.4	1975
1976	7.90	6.89	6.05	36.1	17.5	18.0	65.1	28.5	25.7	13.6	6.82	3.76	19.7	1976
1977	4.72	4.70	4.33	21.3	33.4	25.5	15.3	20.7	14.3	22.1	10.2	4.88	15.2	1977
1978	4.99	4.99	5.49	33.0	40.3	85.7	20.3	9.79	32.7	29.9	11.2	7.35	23.8	1978
1979	5.82	5.13	8.19	40.4	81.6	68.1	41.4	19.6	18.3	13.7	8.14	4.53	28.3	1979
1980	3.80	3.03	3.05	32.6	12.5	7.41	4.84	29.4	31.8	27.7	11.7	5.99	14.5	1980
1981	4.50	4.78	9.54	24.5	15.5	8.98	23.7	9.25	3.66	2.98	2.70	2.16	9.39	1981
1982	1.50	1.40	1.58	12.4	26.0	11.2	10.3	7.03	4.72	3.47	2.27	1.90	7.02	1982
1983	2.09	1.83	2.13	8.73 E	8.58	7.24	18.3	11.3	5.77	6.53	4.95	3.04	6.75	1983
1984	1.96	2.08	3.87	15.7	16.7	46.4	15.0	6.56	5.68	7.76	7.08	4.32	11.1	1984
1985	2.71	2.28	2.69	36.6	77.6	22.6	9.27	3.21	2.31	3.03	1.99	0.989	13.9	1985
1986	1.39	1.66	3.00	18.2	15.9	9.78	35.4	31.3	5.64	3.54	2.39	2.58	10.7	1986
MEAN	4.30	3.77	4.41	43.2	56.1	44.8	40.7	25.5	22.3	18.3	10.8	5.76	23.5	MEAN

LOCATION - LAT 54 21 20 N DRAINAGE AREA 14 500 km²
LONG 110 13 00 W NATURAL FLOW

BEAVER RIVER AT COLD LAKE RESERVE - STATION NO 08AD005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1955	---	---	---	---	1955
1956	---	214 ON APR 26	1.88 B ON JAN 1	1 380 000	1956
1957	---	82.4 ON APR 27	2.10 B ON MAR 1	484 000	1957
1958	118 AT 14 00 MST ON APR 11	116 ON APR 11	1.76 B ON DEC 20	555 000	1958
1959	82.9 AT 06 30 MST ON SEP 8	82.6 ON SEP 7	0.9638 ON FEB 17	518 000	1959
1960	---	154 ON AUG 3	0.5688 ON FEB 17	1 370 000	1960
1961	105 AT 18 00 MST ON APR 28	105 ON APR 28	1.68 B ON DEC 26	875 000	1961
1962	617 AT 03 00 MST ON JUN 13 *	612 ON JUN 13 *	1.85 B ON JAN 2	1 920 000	1962
1963	---	275 ON APR 19	1.03 B ON DEC 20	884 000	1963
1964	---	41.9 ON MAY 14	0.3888 ON FEB 14 *	364 000	1964
1965	---	159 ON JUN 7	2.06 B ON MAR 30	989 000	1965
1966	---	73.3 ON APR 10	2.86 B ON FEB 4	595 000	1966
1967	---	101 B ON MAY 1	1.30 ON DEC 31	423 000	1967
1968	---	36.2 ON OCT 1	1.18 B ON JAN 10	241 000	1968
1969	---	182 ON APR 20	1.44 B ON FEB 28	677 000	1969
1970	263 AT 12 38 MST ON JUL 10	261 ON JUL 10	3.00 B ON FEB 17	1 410 000	1970
1971	275 AT 18 00 MST ON APR 20	258 ON APR 25	3.54 B ON DEC 25	1 400 000	1971
1972	110 AT 10 30 MST ON MAY 3	108 ON MAY 3	1.84 B ON DEC 14	489 000	1972
1973	104 AT 08 30 MST ON JUN 23	103 ON JUN 22	1.78 B ON MAR 11	881 000	1973
1974	---	394 A ON APR 26	6.71 B ON DEC 31	1 700 000	1974
1975	159 B AT 23 00 MST ON APR 25	135 ON APR 26	5.55 B ON APR 3	1 050 000	1975
1976	99.7 AT 15 00 MST ON JUL 20	99.1 ON JUL 20	3.40 B ON DEC 15	824 000	1976
1977	70.5 AT 00 00 MST ON APR 17	51.3 ON MAY 31	4.02 B ON JAN 1	478 000	1977
1978	171 AT 04 00 MST ON JUN 6	168 ON JUN 6	4.84 B ON MAR 1	750 000	1978
1979	205 B AT 09 50 MST ON APR 26	181 B ON APR 26	4.05 B ON DEC 30	831 000	1979
1980	180 B AT 09 45 MST ON APR 16	106 B ON APR 16	2.88 B ON MAR 2	457 000	1980
1981	37.4 AT 13 30 MST ON JUL 15	37.0 ON JUL 15	1.75 B ON DEC 31	295 000	1981
1982	48.6 AT 05 00 MST ON APR 29	47.7 ON APR 29	1.28 B ON FEB 27	221 000	1982
1983	---	28.0E ON AUG 1	1.85 B ON FEB 4	213 000	1983
1984	70.9 AT 16 37 MST ON JUN 7	70.5 ON JUN 7	1.80 B ON JAN 23	350 000	1984
1985	113 AT 12 06 MST ON MAY 13	112 ON MAY 13	0.9248 ON DEC 15	437 000	1985
1986	84.0 AT 19 25 MST ON JUL 26	83.4 ON JUL 26	1.04 B ON JAN 1	336 000	1986
				740 000	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BEAVER RIVER NEAR FORT MACKAY - STATION NO. 07DA005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1961	---	---	---	---	---	1.61	2.45	0.746	0.729	0.783	---	---	---	1961
1962	---	---	---	---	---	4.26	2.69	0.537	0.450	0.530	---	---	---	1962
1963	---	0.083	0.102	---	---	1.55	1.44	---	0.906	0.412	---	---	---	1963
1964	---	---	---	---	---	---	---	---	0.335	0.268	---	---	---	1964
1965	---	---	---	---	---	---	0.508	0.157	0.485	0.451	---	---	---	1965
1972	---	---	---	3.76	9.40	2.48	0.737	0.204	0.184	1.09	0.455	0.279	---	1972
1973	0.181	0.126	0.483	2.31	1.61	9.40	5.60	3.55	0.721	2.00	0.710	0.361	2.26	1973
1974	0.204	0.132	0.179	7.53	4.45	2.02	2.25	1.48	1.27	0.882	0.428	0.257	1.74	1974
1975	0.124	0.089	0.073	1.00	2.88	3.77	7.84	1.83	3.35	1.64	0.291	0.087	1.93	1975
MEAN	0.170	0.111	0.212	3.85	4.59	3.58	2.94	1.21	0.938	0.874	0.471	0.241	1.98	MEAN

LOCATION - LAT 57 05 00 N DRAINAGE AREA, 454 km²
LONG 111 38 00 W REGULATED SINCE 1975

BEAVER RIVER NEAR FORT MACKAY - STATION NO. 07DA005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1961	---	---	---	---	1961
1962	---	---	---	---	1962
1963	---	---	---	---	1963
1964	---	---	---	---	1964
1965	---	---	---	---	1965
1972	---	---	---	---	1972
1973	---	20.2 ON JUN 18	0.0888 ON FEB 23	71 400	1973
1974	---	21.1 ON APR 19	0.110 ON FEB 8	54 900	1974
1975	---	54.1 ON JUL 18 *	0.0628 ON DEC 8 *	80 700	1975
				82 300	MEAN

R - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BEAVER RIVER NEAR GOODRIDGE - STATION NO. 08AA001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	---	0.331	0.440	0.427	---	---	---	1967
1968	---	---	1.86	2.37	1.16	1.19	0.372	0.470	1.15	1.84	---	---	1.29	1968
1969	---	---	---	---	13.2	4.85	1.42	2.79	4.84	5.25	---	---	---	1969
1970	---	---	0.401	20.7	8.46	3.31	43.6	21.1	12.8	11.0	---	---	15.2	1970
1971	---	---	2.65	54.6	33.6	23.1	44.5	14.1	6.18	2.82	---	---	22.6	1971
1972	---	---	0.598	17.2	22.4	8.16	2.98	1.89	1.36	1.15	---	---	6.70	1972
1973	---	---	0.615	3.19	2.94	13.6	4.32	8.61	5.22	4.87	---	---	5.11	1973
1974	---	---	1.89	54.8	51.9	16.3	11.2	8.45	5.08	4.29	---	---	18.8	1974
1975	---	---	1.41	14.8	15.4	7.44	17.0	7.48	16.0	6.15	---	---	10.7	1975
1976	---	---	2.04	14.4	8.11	2.98	7.80	1.51	1.17	0.841	---	---	4.42	1976
1977	---	---	0.856	10.0	14.6	7.87	3.01	2.38	2.72	7.56	---	---	5.84	1977
1978	---	---	3.14	30.0	13.3	37.6	5.64	2.47	18.7	12.8	---	---	14.0	1978
1979	---	---	3.82	26.0	32.6	20.2	17.7	7.71	4.41	2.16	---	---	14.3	1979
1980	---	---	0.604	11.9	2.17	1.80	0.844	3.89	3.06	2.55	---	---	3.33	1980
1981	---	---	4.34	6.96	3.37	1.65	2.73	1.11	0.343	0.174	---	---	2.85	1981
1982	---	---	0.233	4.84	2.66	0.586	0.378	0.185	0.075	0.050	---	---	1.08	1982
1983	---	---	0.029	1.74	0.524	2.11	6.93	2.80	2.42	1.95	---	---	2.33	1983
1984	---	---	2.15	5.34	3.75	14.0	1.83	0.336	0.486	0.884	---	---	3.93	1984
1985	---	---	0.542	15.8	15.7	1.76	0.490	0.119	0.013	0.135	---	---	4.53	1985
1986	---	---	1.15	3.85	1.21	0.374	7.28	4.98	0.637	0.364	---	---	2.48	1986
MEAN	---	---	1.49	16.2	12.9	8.77	9.40	4.44	4.35	3.37	---	---	7.74	MEAN

LOCATION - LAT 56 25 08 N DRAINAGE AREA, 4 710 km²
LONG 111 22 00 W NATURAL FLOW

BEAVER RIVER NEAR COODRIDGE - STATION NO 05AA001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	---	---	1967
1968	---	---	---	---	1968
1969	---	7.388 ON MAR 27	0.1428 ON MAR 1	27 200	1969
1970	79.6 AT 13:20 MST ON JUL 6	79.0 ON JUL 6	0.2838 ON MAR 1	332 000	1970
1971	127 AT 00:30 MST ON APR 22	125 ON APR 22	1.77 B ON OCT 27	478 000	1971
1972	34.5 AT 02:20 MST ON APR 28	34.3 ON APR 27	0.3578 ON MAR 25	142 000	1972
1973	35.7 AT 10:20 MST ON JUN 20	35.4 ON JUN 20	0.1138 ON MAR 1	108 000	1973
1974	148 AT 23:00 MST ON APR 19 *	143 ON APR 20 *	1.27 B ON APR 6	400 000	1974
1975	55.8B AT 20:00 MST ON APR 23	42.8 ON APR 24	1.33 B ON MAR 24	226 000	1975
1976	---	22.9 B ON APR 5	0.575 ON OCT 7	93 800	1976
1977	26.2 AT 19:15 MST ON MAY 30	25.0 ON MAY 30	0.6238 ON MAR 22	126 000	1977
1978	84.3 AT 13:15 MST ON JUN 2	82.9 ON JUN 2	0.1508 ON MAR 21	285 000	1978
1979	74.8B AT 19:30 MST ON APR 23	71.2 ON APR 24	1.60 ON OCT 25	303 000	1979
1980	29.0B AT 13:30 MST ON APR 13	28.5 B ON APR 13	0.344 ON JUL 22	70 800	1980
1981	14.3B AT 12:55 MST ON APR 1	14.2 B ON APR 1	0.100 ON OCT 21	50 300	1981
1982	---	15.8 B ON APR 25	0.0048 ON MAR 1 *	22 800	1982
1983	15.6 AT 12:31 MST ON JUL 25	15.4 ON JUL 25	0.0059 ON MAR 1	45 300	1983
1984	22.9 AT 13:14 MST ON JUN 4	22.8 ON JUN 4	0.030 ON AUG 30	74 700	1984
1985	28.7 AT 13:08 MST ON MAY 5	28.6 ON MAY 5	0.005 ON SEP 11	95 900	1985
1986	22.2 AT 08:32 MST ON JUL 26	22.1 ON JUL 26	0.0508 ON MAR 7	53 500	1986
				184 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BEAVERDAM CREEK NEAR COCHRANE - STATION NO 05CB005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	---	---	0.001	0.002	0	0	0	0	---	---	---	1976
1977	---	---	0	0.001	0.004	0	0	0	0	0	---	---	0.001	1977
1978	---	---	0.042	0.005	0.003	0.001	0	0.004	0	0	---	---	0.007	1978
1979	---	---	0.049	0.015	0.008	0.002	0	0	0	0	---	---	0.010	1979
1980	---	---	0	0.010	0.008	0.003	0	0	0	0	---	---	0.002	1980
1981	---	---	0	0	0.003	0.008	0.031	0.023	0.015	0.011	---	---	0.012	1981
1982	---	---	0.011	0.008	0.010	0.013	0.012	0.005	0.005	0.003	---	---	0.018	1982
1983	---	---	0.007	0.017	0.002	0.001	0.002	0	0	0	---	---	0.004	1983
1984	---	---	0	0	0	0.003	0	0	0	0	---	---	0	1984
1985	---	---	0.020	0.007	0	0.001	0	0	0.003	0.001	---	---	0.004	1985
1986	---	---	0.008	0	0.020	0.008	0.021	0.013	0.036	0.022	---	---	0.018	1986
MEAN	---	---	0.014	0.018	0.005	0.004	0.005	0.004	0.006	0.003	---	---	0.008	MEAN

LOCATION - LAT 51 21 48 N LONG 114 28 20 W DRAINAGE AREA, 45.3 km^2 NATURAL FLOW

BEAVERDAM CREEK NEAR COCHRANE - STATION NO 05CB005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1976	---	---	0 ON APR 18 *	---	1976
1977	---	---	0 ON MAR 1	11.4	1977
1978	0.595 AT 01:00 MST ON MAR 29	0.023 ON MAY 16	0B ON MAR 1	152	1978
1979	---	0.309 ON MAR 29	0B ON MAR 1	210	1979
1980	0.1118 AT 12:00 MST ON APR 6	0.1908 ON MAR 13	0B ON MAR 1	48.2	1980
1981	0.537 AT 02:00 MST ON JUL 30	0.0818 ON APR 6	0B ON MAR 1	245	1981
1982	---	0.401 ON JUL 30 *	0 ON MAR 1	412	1982
1983	0.326 AT 10:23 MST ON APR 25	0.3338 ON APR 11	0B ON MAR 1	78.2	1983
1984	0.057 AT 04:23 MST ON JUN 5	0.135 ON APR 25	0B ON MAR 1	10.1	1984
1985	5.05 AT 16:33 MST ON APR 24 *	0.048 ON JUN 5	0A ON MAR 1	83.7	1985
1986	0.711 AT 05:08 MST ON MAY 17	0.177 ON MAR 18	0B ON MAR 1	332	1986
		0.302 ON MAY 17	0B ON MAR 6	158	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BEAVERHILL CREEK NEAR MUNDARE - STATION NO 05EB002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1919	---	---	---	---	0.154	0.082	0.013	---	---	---	---	---	---	1919
1920	---	---	---	---	0.009	---	---	---	---	---	---	---	---	1920
1925	---	---	---	0.143	0.004	---	---	---	---	---	---	---	---	1925
MEAN	---	---	---	0.143	0.055	0.082	0.013	---	---	---	---	---	---	MEAN

LOCATION - LAT 53 34 00 N LONG 113 30 00 W DRAINAGE AREA, 2 110 km^2 NATURAL FLOW

BEAVERHILL CREEK NEAR MUNDARE - STATION NO. 05EB003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1919	---	---	---	---	1919
1920	---	---	---	---	1920
1935	---	0.765 ON APR 15 *	0 ON APR 1	---	1935
				---	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BEAVERHILL CREEK NEAR THE MOUTH - STATION NO. 05EB015

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	0.003	2.40	0.444	0.081	0.188	0.171	0.068	0.005	---	---	0.410	1975
1976	---	---	0.018	0.255	0.011	0.010	0.008	0	0	0	---	---	0.037	1976
1977	---	---	0.032	1.22	1.95	0.302	0.184	0.030	0.005	0.006	---	---	0.467	1977
1978	---	---	0.265	1.75	0.091	0.057	0	0.020	1.71	0.134	---	---	0.495	1978
1979	---	---	2.81	3.14	0.387	0.036	0.103	0.003	0	0.011	---	---	0.769	1979
1980	---	---	0.003	3.78	0.018	0.005	0	0.152	0.023	0.024	---	---	0.369	1980
1981	---	---	3.39	0.933	0.053	0.053	0.051	0.002	0	0.003	---	---	0.584	1981
1982	---	---	0	5.36	1.10	0.011	3.04	0.250	0.019	0.019	---	---	1.33	1982
1983	---	---	0.028	0.329	0.032	3.90	8.02	0.138	0.005	0.045	---	---	1.31	1983
1984	---	---	0.804	0.295	0.032	0.032	0.018	0	0.014	0.030	---	---	0.154	1984
1985	---	---	1.17	2.47	0.139	0.437	0.124	0.001	0	0.003	---	---	0.526	1985
1986	---	---	2.84	0.387	0.033	0.002	2.78	0.194	0.004	0.007	---	---	0.830	1986
MEAN	---	---	0.939	1.78	0.358	0.468	1.13	0.083	0.182	0.034	---	---	0.604	MEAN

LOCATION - LAT 53 53 21 N DRAINAGE AREA, 3 930 km^2
LONG 112 56 57 W NATURAL FLOW

BEAVERHILL CREEK NEAR THE MOUTH - STATION NO. 05EB015

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---				
1976	---	0.218 ON APR 22	0 ON JUN 13 *	0 690	1976
1977	---	1 480 ON APR 6	0 ON MAY 7	787	1976
1978	---	10 6 ON MAY 30	0 ON JUN 21	0 880	1977
1979	---	4 79 ON SEP 20	0 ON JUN 25	10 500	1978
		9 000 ON MAR 23	0E ON AUG 14	16 700	1979
1980	19.7 B AT 00:25 MST ON APR 14	13 0 B ON APR 14	0E ON MAR 1	7 810	1980
1981	12.2 AT 10:00 MST ON MAR 18	11 4 B ON MAR 18	0 ON JUN 25	11 900	1981
1982	26.1 AT 07:10 MST ON APR 27	24 6 ON APR 27	0E ON MAR 1	25 000	1982
1983	76.7 AT 01:10 MST ON JUN 26 *	34 1 ON JUN 26	0 ON MAY 25	27 700	1983
1984	4.88 AT 13:30 MST ON MAR 26	0 028 ON MAR 29	0 ON JUL 3	3 250	1984
1985	12.1 B AT 23:40 MST ON APR 3	10.6 B ON APR 3	0 ON AUG 6	11 400	1985
1986	80.6 AT 07:15 MST ON JUL 20	48.6 ON JUL 20 *	0 ON JUN 21	18 700	1986
				12 800	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

BEAVERLODGE RIVER NEAR BEAVERLODGE - STATION NO. 07GD001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	5.55	5.99	3.72	14.7	1.78	0.804	0.223	0.427	---	---	4.21	1968
1969	---	---	0.007	25.1	16.6	1.78	0.823	0.022	3.44	2.80	---	---	6.28	1969
1970	---	---	4.13	14.5	7.80	2.01	0.125	0.001	0	0.004	---	---	3.92	1970
1971	---	---	0	8.46	4.30	15.1	31.4	2.03	0.283	0.533	---	---	6.49	1971
1972	---	---	4.68	31.4	23.9	5.86	0.990	0.253	0.134	3.59	---	---	9.94	1972
1973	---	---	0.155	27.8	11.3	2.11	0.220	0.016	0.009	0.171	---	---	5.17	1973
1974	---	---	0.072	34.7	39.6	4.21	0.557	0.080	0.045	0.042	---	---	9.88	1974
1975	---	---	0.006	5.86	5.41	1.01	0.081	0	0	0	---	---	1.78	1975
1976	---	---	0.001	15.0	3.43	4.60	8.97	15.2	3.65	1.18	---	---	8.65	1976
1977	---	---	0.272	18.1	20.5	15.3	3.63	0.804	0.310	1.27	---	---	7.13	1977
1978	---	---	1.14	4.66	2.88	1.07	0.273	0.043	0.050	0.171	---	---	1.35	1978
1979	---	B	0.631	10.6	15.3	6.36	1.55	0.087	0.007	0.001	0.002	0.001	4.28	1979
1980	0	0	0.013	3.43	0.472	1.11	1.38	0.217	0.885	0.787	0.570	1.22	0.818	1980
1981	0.112	0.186	4.83	9.34	11.0	7.08	0.226	0.001	0	0	0.001	0.001	4.01	1981
1982	0	0	0	5.62	5.76	0.779	2.69	14.3	1.08	0.913	0.403	0.390	3.83	1982
1983	0.196	0.100	0.136	17.3	8.41	3.67	13.9	3.17	0.304	0.127	0.153	0.132	5.73	1983
1984	0.184	0.217	0.500	0.908	1.70	2.81	0.443	0.018	0.018	0.083	0.059	0.012	0.784	1984
1985	0.001	0	1.56	3.49	0.437	0.031	0.005	0	0.001	0.004	0	0	0.583	1985
1986	0	0.125	5.75	7.13	6.77	1.81	0.180	0.015	0.002	0.005	0.031	0.015	2.71	1986
MEAN	0.070	0.079	1.89	12.4	9.89	4.75	3.13	1.85	0.682	0.638	0.181	0.231	4.36	MEAN

LOCATION - LAT 55 11 21 N DRAINAGE AREA, 1 810 km^2
LONG 119 26 08 W NATURAL FLOW

BEAVERLODGE RIVER NEAR BEAVERLODGE - STATION NO 07GD001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	91 6 AT 18 00 MST ON JUN 17	50 4 ON JUN 17	C 127 ON SEP 14	85 100	1968
1969	65 0 AT 03 00 MST ON APR 15	62 6 ON APR 15	0 ON AUG 23 *	133 000	1969
1970	---	---	---	---	1970
1971	83 4 AT 03 00 MST ON JUL 16	51 4 ON JUL 16	0 ON AUG 8	74 500	1971
1972	99 7 E	58 9 E ON APR 30	0 8 ON MAR 1	138 000	1972
1973	82 6 AT 04 00 MST ON APR 11	59 7 ON APR 12	0 ON AUG 9	160 000	1973
1974	184 AT 09 00 MST ON APR 25 *	102 ON APR 25 *	C 021 ON SEP 30	110 000	1974
1975	---	---	---	205 000	1975
1976	48 6 AT 10 00 MST ON AUG 8	21 5 8 ON APR 19	0 ON JUL 31	37 800	1976
1977	37 6 AT 07 15 MST ON MAY 10	45 3 ON AUG 8	0 8 ON MAR 1	137 000	1977
1978	7 088 AT 20 30 MST ON APR 15	35 8 ON MAY 10	C 1808 ON MAR 25	151 000	1978
1979	48 6 AT 01 00 MST ON APR 28	5 88 ON APR 22	0 ON SEP 3	25 500	1979
1980	---	45 6 ON APR 28	0 8 ON MAR 1	90 700	1980
1981	19 9 AT 19 30 MST ON APR 24	4 518 ON APR 5	0 8 ON MAR 1	19 400	1981
1982	55 8 AT 08 30 MST ON AUG 3	19 2 ON APR 25	0 ON AUG 9	85 000	1982
1983	93 8 AT 23 00 MST ON APR 16	52 9 ON AUG 3	0 8 ON MAR 1	82 100	1983
1984	7 80 AT 18 30 MST ON JUN 9	50 5 8 ON APR 16	0 0858 ON MAR 1	121 000	1984
1985	10 8 E	7 12 ON JUN 10	0 ON AUG 29	16 200	1985
1986	35 0 8 AT 20 00 MST ON MAR 28	10 3 8 ON MAR 19	0 8 ON MAR 1	11 900	1986
		22 3 8 ON MAR 28	0 ON SEP 8	57 200	1986
	8 - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		82 100	MEAN

BEAVERTAIL CREEK NEAR HYTHE - STATION NO 07GD002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1983	---	---	---	---	4 89	1 81	7 36	1 11	0 045	0 007	---	---	---	1983
1984	---	---	0 185	0 197	0 978	1 25	0 305	0 001	0 002	0 012	---	---	0 384	1984
1985	---	---	0 257	0 578	0 138	0 010	0	0	0	0	---	---	0 122	1985
1986	---	---	1 16	2 85	3 50	0 774	0 134	0 002	0	0	---	---	1 05	1986
MEAN	---	---	0 924	1 21	2 38	0 961	1 95	0 278	0 012	0 005	---	---	0 512	MEAN

LOCATION - LAT 55 16 57 N
LONG 119 38 35 W
DRAINAGE AREA 662 km^2
NATURAL FLOW

BEAVERTAIL CREEK NEAR HYTHE - STATION NO 07GD002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1983	12 0 AT 04 10 MST ON APR 28 *	12 4 ON APR 28 *	0 ON JUN 14 *	---	1983
1984	2 83 AT 14 30 MST ON JUN 10	2 76 ON JUN 10	0 ON AUG 17	7 710	1984
1985	1 68	1 508 ON MAR 19	08 ON MAR 1	2 580	1985
1986	4 97 AT 23 00 MST ON MAY 18	4 48 ON MAY 19	0 ON AUG 6	22 200	1986
	8 - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		10 800	MEAN

BEDDINGTON CREEK NEAR CALGARY - STATION NO 05BH904

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	---	---	0 042	0 127	0 011	0 021	0 021	---	---	---	1982
1983	---	---	---	---	0 084	0 044	0 058	0 012	0 025	0 037	---	---	---	1983
1984	---	---	---	0 121	0 034	0 055	0 015	0 034	0 026	0 006	---	---	0 041	1984
1985	---	---	---	0 088	0 038	0 013	0 013	0 025	0 103	0 039	---	---	0 045	1985
1986	---	---	---	0 044	0 237	0 047	0 172	0 029	0 115	0 180	---	---	0 115	1986
MEAN	---	---	---	0 084	0 098	0 040	0 077	0 023	0 058	0 053	---	---	0 087	MEAN

LOCATION - LAT 51 12 30 N
LONG 114 09 00 W
NATURAL FLOW

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

BEDDINGTON CREEK NEAR CALGARY - STATION NO 05BH904

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	---	---	---	---	1982
1983	---	---	---	---	1983
1984	---	C 2508 ON APR 1	0 002 ON AUG 27 *	783	1984
1985	0 719 AT 21 30 MST ON SEP 12	0 385 ON SEP 13	0 002 ON AUG 7	844	1985
1986	3 07 AT 07 00 MST ON MAY 17 *	1 09 ON MAY 20 *	0 006 ON JUN 27	2 130	1986
	8 - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 250	MEAN

BELLY - ST MARY DIVERSION CANAL - STATION NO 05AD021

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	0	0	0	0	0	5.50	3.72	0	0	0	0	0	0.768	1959
1960	0	0	0	0	0.002	0	3.67	2.74	1.21	0.024	1.04	1.16	0.846	1960
1961	0.628	0.785	1.07	2.81	9.41	18.5	6.31	1.43	1.13	3.01	0.941	0.026	3.77	1961
1962	0.026	0.006	0.086	0.061	11.2	16.8	6.61	2.74	0.896	4.23	3.96	2.21	4.26	1962
1963	0.013	0.031	0.048	2.77	11.8	29.3	---	---	---	5.411	1.56	1.29	---	1963
1964	0.599	0.843	1.30	3.86	2.30	3.95	0.579	1.70	2.27	5.07	1.33	0	1.94	1964
1965	0	0.002	0.008	0.085	5.06	8.10	7.13	4.52	1.77	0	0	0	2.32	1965
1966	0	0	0.016	0	1.22	8.84	4.35	0.185	0.089	0	0	0	1.06	1966
1967	0	0	0	0	0	0	5.00	2.86	0	0.035	2.60	2.01	1.06	1967
1968	1.59	1.85	2.82	2.74	16.8	15.1	18.3	5.05	0	0	0	0	5.37	1968
1969	0	0	0	0	0	3.52	8.86	8.20	16.6	1.32	0	0	2.98	1969
1970	0	0	0	0	0	12.7	17.1	13.6	0.589	0	0	0	3.70	1970
1971	0	0	0	0	0	8.03	24.8	20.5	6.87	0	0	0	5.07	1971
1972	0	0	0	0	0	1.99	16.3	1.84	12.7	11.5	4.76	0	4.25	1972
1973	0	0	0	0	26.7	34.1	21.9	14.9	3.92	1.23	1.35	0	8.72	1973
1974	0	0	0	0	0	4.41	14.6	8.23	4.65	12.0	0	0	3.53	1974
1975	0	0	0	0	0	0.935	15.0	10.4	4.80	2.18	9.19	0	4.23	1975
1976	0 B	0 B	0 B	0	0	15.4	27.6	2.71	4.12	4.52	0.110	0 B	4.81 B	1976
1977	0	0	0	5.84	46.0	40.9	10.5	17.3	21.8	8.35	0	0	12.6	1977
1978	0	0	0	2.79	6.26	7.63	9.51	7.87	6.87	0.343	0	0	3.63	1978
1979	0	0	0	0	0.441	20.3	34.3	11.9	7.93	3.94	0.272	0	6.61	1979
1980	0	0	0.314	16.4	44.0	14.9	17.8	13.4	12.4	8.87	0	0	10.7	1980
1981	0	1.60	7.02	12.8	11.6	9.38	35.4	16.1	13.6	22.6	0.600	0	10.9	1981
1982	0	0	0	0.536	27.9	12.5	21.5	23.3	6.58	2.80	0	0	8.01	1982
1983	0	0	0.141	14.9	16.1	54.9	40.0	23.1	5.83	1.39	0	0	13.1	1983
1984	0	0	1.37	16.4	43.6	55.7	47.3	23.6	9.07	15.2	0	0	17.8	1984
1985	0	0	0.200	16.6	26.7	45.3	40.2	18.2	21.1	23.0	0	0	16.2	1985
1986	0	0	0	2.76	14.9	38.9	32.3	11.6	20.9	16.1	0	0	11.5	1986
MEAN	0.102R	0.188R	0.511R	3.88	11.6	17.6	18.1	10.1	6.89	5.28	0.955	0.240R	6.29	MEAN

LOCATION - LAT 48 20 10 N
LONG 113 33 07 W REGULATED SINCE 1969

R - REVISED SINCE JAN 1986

BELLY - ST MARY DIVERSION CANAL - STATION NO 05AD021

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1959	---	18.2 ON JUN 28	0 ON JAN 1 *	24 300	1959
1960	---	8.41 ON JUL 19	0 ON JAN 1	26 800	1960
1961	---	33.7 ON JUN 9	0 ON AUG 23	119 000	1961
1962	---	33.2 ON JUN 19	0E ON JAN 27	134 000	1962
1963	---	44.2 ON JUN 11	---	---	1963
1964	---	43.9 ON JUN 15	0E ON JAN 22	61 300	1964
1965	---	10.1 ON MAY 14	0E ON JAN 1	73 300	1965
1966	---	7.67 ON JUN 5	0 ON JAN 1	33 400	1966
1967	---	8.30 ON JUL 20	0 ON JAN 1	33 300	1967
1968	---	36.5 ON MAY 24	0 ON AUG 22	170 000	1968
1969	---	28.3 ON AUG 28	0 ON JAN 1	93 300	1969
1970	---	35.5 ON JUN 12	0 ON JAN 1	117 000	1970
1971	---	36.0 ON JUL 2	0 ON JAN 1	160 000	1971
1972	---	36.5 ON JUL 15	0 ON JAN 1	134 000	1972
1973	---	47.0 ON JUN 10	0E ON JAN 1	276 000	1973
1974	---	39.2 ON OCT 18	0E ON JAN 1	111 000	1974
1975	---	39.7 A ON NOV 5	0 ON JAN 1	133 000	1975
1976	---	47.9 ON JUL 9	---	155 000R	1976
1977	---	49.8 ON MAY 4	0 ON JAN 1	398 000	1977
1978	---	24.0 ON MAY 3	0 ON JAN 1	114 000	1978
1979	---	42.4 ON JUN 28	0E ON JAN 1	208 000	1979
1980	---	57.4 ON MAY 22	0E ON JAN 1	338 000	1980
1981	---	48.8 ON JUL 21	0E ON JAN 1	344 000	1981
1982	---	60.9 ON MAY 19	0E ON JAN 1	253 000	1982
1983	---	58.7 ON JUN 9	0E ON JAN 1	412 000	1983
1984	---	81.6 ON JUN 22 *	0E ON JAN 1	581 000	1984
1985	---	57.6 ON JUN 21	0E ON JAN 1	510 000	1985
1986	---	56.6 ON JUN 21	0E ON JAN 1	383 000	1986
				198 000R	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1 1986

BELLY RIVER (NORTH BRANCH) AT INTERNATIONAL BOUNDARY STATION NO 05AD037

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1947	---	---	---	---	---	---	---	---	0.830	1.62	0.519	---	---	1947
1948	0.115	0.063	0.050	0.284	2.64	5.37	1.82	0.782	0.219	0.144	0.051	0.036	0.984	1948
1949	0.027	0.018	0.050	0.354	2.35	2.40	1.16	0.463	0.587	0.317	0.423	0.254	0.703	1949
1950	0.081	0.055	0.062	0.118	1.38	4.32	3.38	1.82	0.382	0.804	0.582	0.270	1.05	1950
1951	0.137	0.145	0.094	0.448	2.80	3.18	3.50	1.27	1.61	1.24	0.289	0.158	1.24	1951
1952	0.119	0.081	0.070	0.656	1.94	2.33	1.54	1.18	0.392	0.194	0.118	---	---	1952
1953	---	---	---	---	1.92	5.09	3.22	1.06	0.484	0.193	0.262	---	---	1953
1954	---	---	---	0.119	2.44	3.71	3.86	1.47	0.639	0.984	0.501	---	---	1954
1955	---	---	---	0.085	0.914	4.29	2.46	0.780	0.347	0.792	---	---	---	1955
MEAN	0.096	0.075	0.069	0.285	2.05	3.84	2.82	1.00	0.599	0.659	0.355	0.180	0.989	MEAN

LOCATION - LAT 48 59 20 N DRAINAGE AREA 26 * km²
LONG 113 45 50 W NATURAL FLOW

INTERNATIONAL GAUGING STATION

BELLY RIVER (NORTH BRANCH) AT INTERNATIONAL BOUNDARY - STATION NO 05AD033

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1947	...	...	...	...	1947
1948	10 9 ... ON JUN 16	10 1 ON JUN 17	0 0208 ON NOV 26	30 500	1948
1949	4 13 AT 02 00 MST ON MAY 28	3 91 ON MAY 28	0 0146 ON FEB 11 *	22 200	1949
1950	7 19 AT 01 00 MST ON JUN 21	5 80 ON JUN 21	0 0575 ON JAN 24	33 100	1950
1951	6 46 AT 03 30 MST ON JUN 15	5 17 ON JUN 15	0 079 ON MAR 25	39 100	1951
1952	3 89 AT 13 30 MST ON JUN 12	3 74 ON JUN 12	0 0658 ON MAR 20	...	1952
1953	11 6 AT 13 00 MST ON JUN 3 *	10 4 ON JUN 4 *	...	...	1953
1954	5 51 AT 23 30 MST ON MAY 19	5 88 ON MAY 19	...	...	1954
1955	7 67 AT 08 00 MST ON JUN 25	7 25 ON JUN 25	...	...	1955
				31 200	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BELLY RIVER AT INTERNATIONAL BOUNDARY - STATION NO 05AD032

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1947	...	...	...	...	20 3	17 5	13 1	5 34	5 15	10 7	4 49	2 41	...	1947
1948	1 87	1 59	1 40	3 60	19 0	31 5	11 0	5 06	2 76	1 82	1 06	0 887	5 85	1948
1949	0 558	0 549	1 31	3 88	17 6	15 4	8 15	4 62	4 30	3 00	4 80	2 91	5 81	1949
1950	1 47	1 61	2 04	2 54	13 7	31 9	21 8	8 01	3 70	7 49	6 23	4 09	8 76	1950
1951	2 85	2 59	1 67	3 83	21 6	31 8	22 0	8 65	9 38	9 31	3 08	2 43	9 13	1951
1952	1 34	1 31	1 05	6 50	15 4	16 0	10 5	7 18	3 47	1 85	1 14	1 01	5 60	1952
1953	2 05	2 10	1 08	3 39	17 3	34 6	19 9	8 25	4 09	2 09	2 76	1 58	8 29	1953
1954	1 18	1 40	1 44	2 44	20 5	25 8	24 4	9 62	6 71	5 51	4 31	2 51	8 96	1954
1955	1 73	1 12	0 617	1 84	8 80	27 3	17 2	6 98	3 37	5 84	4 44	3 30	6 84	1955
1956	1 84	1 10	1 31	3 86	20 0	23 7	15 0	7 00	3 86	3 97	2 44	1 70	7 14	1956
1957	1 27	1 27	1 25	3 03	26 3	18 9	8 47	4 07	2 83	...	...	...	...	1957
1958	...	...	...	...	...	19 3	9 85	5 37	3 86	3 76	2 61	...	...	1958
1959	...	...	...	...	...	29 6	15 9	9 84	8 85	8 25	4 12	2 56	...	1959
1960	...	...	...	...	...	20 5	12 7	8 95	3 50	2 17	1 94	...	...	1960
1961	...	...	...	...	...	28 8	10 5	5 18	3 62	5 84	2 45	...	...	1961
1962	...	...	...	...	...	18 0	10 1	5 78	3 80	4 39	3 80	...	...	1962
1963	...	...	...	...	...	24 4	13 1	5 46	3 43	2 55	2 23	1 85	...	1963
1964	1 28	1 07	...	...	...	48 3	16 1	5 98	4 16	...	...	...	...	1964
MEAN	1 55	1 43	1 34	3 39	18 2	25 1	14 4	6 51	4 45	5 01	3 23	3 15	7 46	MEAN

LOCATION - LAT 48 59 50 N
LONG 113 40 50 W
DRAINAGE AREA 192 km^2
NATURAL FLOW
INTERNATIONAL GAUGING STATION

BELLY RIVER AT INTERNATIONAL BOUNDARY - STATION NO 05AD032

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1947	...	32 8 ON OCT 20	...	...	1947
1948	51 3 AT 14 00 MST ON JUN 17	47 9 ON JUN 17	0 5108 ON DEC 14	217 000	1948
1949	27 5 AT 14 00 MST ON MAY 28	27 4 ON MAY 28	0 3408 ON FEB 12 *	177 000	1949
1950	50 1 AT 09 00 MST ON JUN 23	49 6 ON JUN 22	0 9318 ON FEB 7	276 000	1950
1951	44 5 AT 15 00 MST ON JUN 24	40 2 ON JUN 25	1 27 8 ON MAR 9	288 000	1951
1952	21 3 AT 01 00 MST ON OCT 3	20 5 ON MAY 21	0 7088 ON MAR 26	174 000	1952
1953	59 4 AT 12 00 MST ON JUN 4	58 5 ON JUN 4	0 5869 ON JAN 6	281 000	1953
1954	48 7 AT 07 30 MST ON MAY 20	48 4 ON MAY 20	0 4268 ON JAN 22	283 000	1954
1955	43 6 AT 11 00 MST ON JUN 25	43 0 ON JUN 25	0 4268 ON MAR 24	217 000	1955
1956	49 3 AT 08 30 MST ON MAY 22	49 0 ON MAY 22	0 5688 ON MAR 7	226 000	1956
1957	37 4 AT 05 00 MST ON MAY 8	36 5 ON MAY 8	0 8509 ON FEB 21	...	1957
1958	36 1 AT 00 00 MST ON JUN 10	34 0 ON JUN 10	...	...	1958
1959	44 5 AT 01 00 MST ON JUN 5	43 6 ON JUN 5	...	...	1959
1960	36 0 AT 08 00 MST ON JUN 4	35 1 ON JUN 4	...	...	1960
1961	46 2 AT 00 30 MST ON MAY 27	45 3 ON MAY 27	...	...	1961
1962	22 4 AT 05 00 MST ON JUN 19	22 0 ON JUN 19	...	...	1962
1963	37 4 AT 01 30 MST ON JUN 11	36 0 ON JUN 11	...	...	1963
1964	340 AT 19 00 MST ON JUN 6 *	232 ON JUN 6 *	...	...	1964
				235 000	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BELLY RIVER NEAR GLENWOOD - STATION NO 05AD041

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	...	...	...	...	...	5 06	0 870	0 785	0 889	5 84	7 63	2 56	...	1965
1966	3 18	5 51	7 84	6 74	15 5	12 3	1 11	0 875	1 08	4 11	6 30	3 85	5 67	1966
MEAN	3 18	5 51	7 84	6 74	15 5	8 18	0 990	0 830	0 985	4 98	7 07	3 11	5 67	MEAN

LOCATION - LAT 49 21 08 N
LONG 113 26 49 W
DRAINAGE AREA 857 km^2
REGULATED SINCE 1935

BELLY RIVER NEAR GLENWOOD - STATION NO 05AD041

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1985	...	22.5 ON MAY 28	...	...	1985
1986	58.1 AT 11:30 MST ON MAY 30 *	58.5 ON MAY 30 *	0.884 ON AUG 17 *	179 000	1986
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		179 000	MEAN

BELLY RIVER NEAR MOUNTAIN VIEW - STATION NO 05AD005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	...	...	...	...	...	...	...	...	...	...	4.06	2.53	...	1911
1912	2.56	1.33	1.39	5.72	18.7	20.3	16.2	8.18	5.01	4.83	3.88	2.68	7.54	1912
1913	1.67	1.61	1.48	8.42	20.7	40.5	17.8	11.9	5.48	4.27	4.06	2.25	10.1	1913
1914	2.21	1.84	1.85	7.17	22.6	24.6	15.2	8.04	5.58	10.4	7.88	3.20	9.36	1914
1915	2.05	1.60	1.43	7.42	17.2	26.5	17.2	10.7	8.45	9.20	5.55	2.76	9.28	1915
1916	1.50	5.73	4.91	7.03	16.1	43.1	22.7	13.5	9.09	6.00	3.05	1.76	11.6	1916
1917	1.55	1.02	0.821	2.50	24.1	40.4	24.2	7.93	4.83	4.08	2.84	2.78	9.76	1917
1918	4.23	1.55	2.32	7.24	18.9	27.8	11.7	6.09	5.65	4.87	2.53	1.88	8.11	1918
1919	1.86	1.81	2.42	5.20	23.7	18.9	9.89	6.22	3.14	2.28	1.86	2.01	8.82	1919
1920	1.73	2.44	1.63	2.28	17.6	35.1	25.7	8.52	6.76	5.86	2.95	1.98	9.67	1920
1921	2.18	2.18	3.26	6.15	25.8	35.6	17.7	7.67	5.09	5.27	4.18	4.13	10.2	1921
1922	1.86	1.26	1.49	3.06	24.9	36.1	18.1	7.53	4.31	3.67	2.76	1.83	8.85	1922
1923	1.74	1.56	1.84	4.85	21.0	38.6	16.9	8.05	4.85	5.05	2.78	2.04	9.34	1923
1924	1.38	2.85	1.51	3.06	31.8	31.0	15.9	8.62	4.89	4.15	3.42	3.19	8.83	1924
1925	2.30	2.42	2.84	10.8	33.9	31.3	18.6	8.25	7.36	4.76	3.88	2.59	10.8	1925
1926	1.66	1.52	1.58	8.46	10.2	10.7	7.84	4.82	10.0	12.9	4.70	3.33	6.49	1926
1927	1.88	2.08	1.88	7.03	24.1	55.5	28.6	14.7	14.6	10.1	5.58	3.87	14.2	1927
1928	2.46	2.08	3.50	5.34	34.2	32.3	25.4	8.28	5.53	9.38	4.24	1.77	11.3	1928
1929	1.58	1.44	1.66	3.62	19.5	35.3	14.0	6.87	3.26	3.48	2.09	2.12	7.00	1929
1930	1.51	2.36	2.13	15.0	24.3	34.5	13.3	6.26	4.21	3.01	2.11	1.30	8.34	1930
1931	0.888	1.42	1.34	2.91	19.5	14.8	7.43	5.04	3.89	3.73	3.57	1.70	5.46	1931
1932	1.11	5.64	4.22	5.12	25.8	39.0	13.3	6.35	3.78	2.78	3.01	2.63	8.48	1932
1933	1.83	1.45	1.83	3.86	30.5	41.1	18.9	7.42	4.86	8.43	7.01	3.28	10.0	1933
1934	5.43	3.46	3.28	20.2	31.3	31.6	12.8	6.84	3.24	4.60	12.4	3.82	11.6	1934
1935	3.16	5.04	2.81	3.84	18.4	23.8	14.1	6.23	3.80	3.88	3.28	1.28	7.33	1935
1936	1.18	0.899	1.24	7.83	23.4	18.3	7.38	4.41	3.83	3.21	1.17	0.789	5.96	1936
1937	0.790	0.905	0.891	3.06	17.9	38.8	12.8	6.88	3.93	4.23	4.58	3.04	7.85	1937
1938	1.71	1.54	1.82	6.95	28.5	32.7	16.6	6.85	3.26	2.82	2.61	1.51	8.75	1938
1939	1.16	0.881	2.23	6.86	18.7	15.4	9.74	3.94	2.89	2.91	2.33	2.39	6.04	1939
1940	1.51	1.27	1.21	3.95	19.6	16.3	8.15	3.88	4.48	3.57	1.84	1.67	5.62	1940
1941	1.52	0.883	0.988	5.44	12.6	12.8	6.75	3.96	5.47	5.48	3.44	3.02	5.47	1941
1942	2.64	1.76	1.42	6.14	21.3	30.3	16.7	7.55	6.87	4.72	3.03	2.90	8.95	1942
1943	2.21	2.15	1.87	12.5	18.6	32.7	24.9	8.00	3.23	2.84	1.84	1.35	9.44	1943
1944	1.19	1.16	1.07	2.23	13.1	16.1	7.58	4.73	3.36	2.63	1.83	1.29	4.68	1944
1945	1.56	1.82	1.43	2.26	21.8	33.7	15.0	4.52	5.36	4.56	3.69	2.18	8.18	1945
1946	1.30	1.31	2.67	11.7	25.9	27.5	15.1	5.28	4.07	4.53	2.86	2.37	8.74	1946
1947	1.82	1.65	2.54	8.06	28.1	25.6	16.1	6.38	5.78	13.8	4.48	3.78	8.84	1947
1948	2.10	1.85	1.71	5.48	30.5	60.3	17.2	8.67	3.24	2.19	1.37	0.881	10.5	1948
1949	0.706	0.730	1.64	8.14	23.2	21.0	10.6	5.60	5.47	3.86	3.84	3.34	7.13	1949
1950	1.71	1.79	2.35	3.68	18.2	42.4	27.3	8.60	3.21	7.32	6.80	4.84	10.9	1950
1951	2.87	3.01	1.88	6.78	31.2	32.4	32.3	11.5	12.9	12.5	4.33	3.33	13.0	1951
1952	2.06	1.78	1.62	9.48	20.6	19.2	13.3	8.28	3.56	1.86	1.48	1.84	7.20	1952
1953	2.34	2.84	1.68	5.71	36.1	52.5	26.8	9.14	4.23	1.86	3.11	2.08	11.6	1953
1954	1.33	1.87	2.08	3.60	28.8	34.5	30.0	12.0	6.36	8.82	5.44	3.11	11.6	1954
1955	2.02	1.30	1.33	2.58	14.5	40.0	23.2	8.28	3.26	7.73	5.07	2.86	9.36	1955
1956	1.88	1.38	1.84	6.60	26.9	29.7	19.7	7.85	3.82	5.10	3.07	2.61	8.11	1956
1957	1.87	1.48	1.54	3.88	36.6	35.6	10.4	3.47	2.36	4.08	4.38	2.48	8.15	1957
1958	1.71	1.86	2.50	3.83	28.1	27.3	13.2	6.07	4.13	3.46	3.81	3.22	8.32	1958
1959	3.16	1.85	1.53	6.47	30.2	37.4	18.2	7.17	6.21	10.1	4.85	2.98	10.2	1959
1960	2.15	1.70	2.73	7.12	15.8	26.8	12.8	6.30	3.33	1.28	2.06	1.52	6.95	1960
1961	1.40	1.83	1.81	3.46	21.8	31.2	10.7	5.07	3.83	7.02	3.24	1.87	7.77	1961
1962	1.76	2.34	2.12	9.22	16.2	32.7	9.86	6.15	3.13	5.34	4.33	3.83	7.41	1962
1963	1.88	4.24	2.15	3.30	15.8	32.0	16.1	6.44	3.27	2.30	2.00	2.03	7.38	1963
1964	1.59	1.38	0.878	2.84	21.8	24.8	20.0	8.32	3.06	4.21	2.40	1.85	11.0	1964
1965	1.48	1.93	1.85	5.86	21.6	43.1	22.6	7.87	4.77	7.33	3.85	2.24	10.5	1965
1966	1.85	1.30	2.35	7.50	33.7	32.6	16.4	7.13	3.13	3.87	3.78	3.72	8.88	1966
1967	1.82	2.11	1.60	2.38	24.5	44.0	23.8	8.78	2.85	1.88	4.08	2.31	8.76	1967
1968	2.53	2.60	3.09	2.87	18.7	28.6	18.7	7.85	11.7	8.30	4.77	2.36	9.07	1968
1989	1.81	1.88	1.81	8.88	21.0	30.7	15.6	6.78	2.84	4.07	3.02	1.86	8.15	1989
1970	1.24	1.54	1.31	1.88	23.8	48.6	13.2	3.82	2.47	2.83	2.13	1.75	8.80	1970
1971	1.54	2.03	1.85	5.80	26.3	32.9	20.0	8.63	2.85	4.16	3.36	1.88	9.44	1971
1972	1.37	1.38	6.03	6.20	36.5	43.0	22.6	12.6	6.86	3.81	2.71	1.44	11.3	1972
1973	2.07	1.75	1.80	3.01	17.5	28.0	8.26	3.31	2.19	2.19	2.67	2.68	5.85	1973
1974	3.21	1.90	2.13	6.49	30.2	44.0	22.8	7.97	4.31	3.00	2.30	1.83	9.83	1974
1975	1.83	1.14	1.16	1.74	18.4	88.3	36.2	10.6	5.77	5.75	5.87	8.17	12.8	1975
1976	2.82	2.21	2.14	6.41	27.2	30.6	19.3	11.0	6.28	1.70	3.14	1.87	8.83	1976
1977	1.71	1.22	0.843	4.47	8.48	3.83	3.88	6.48	5.86	3.81	3.84	2.27	4.26	1977
1978	1.56	1.37	1.74	5.38	21.0	29.8	20.9	9.73	9.50	3.84	3.73	3.46	9.39	1978
1979	1.27	1.48	2.18	3.48	25.2	23.4	10.4	6.26	2.87	2.19	1.88	1.83	6.76	1979
1980	1.68	1.48	1.21	8.71	28.2	25.4	10.4	6.87	6.20	3.78	5.12	4.36	8.83	1980
1981	3.84	3.14	2.67	7.30	31.1	24.5	16.7	8.48	3.39	1.88	3.12	2.04	8.71	1981
1982	1.16	1.36	1.32	1.87	15.4	33.0	17.8	6.29	3.73	3.48	2.83	1.80	7.36	1982
1983	1.41	1.62	2.17	4.25	17.2	18.8	13.2	5.00	1.41	1.82	4.61	1.86	6.17	1983
1984	1.87	1.85	1.47	5.19	13.2	21.3	10.8	4.81	3.46	4.01	2.84	1.43	6.03	1984
1985	1.32	0.812	1.36	7.35	22.6	21.0	8.42	6.15	6.84	11.4	6.09	2.28	8.80	1985
1986	3.63	3.73	6.33	9.80	30.3	33.0	9.16	2.85	4.78	7.02	3.77	1.84	7.84	1986
MEAN	1.81	1.84	2.00	5.80	22.2	30.9	15.5	7.14	4.82	4.85	3.66	2.40	8.72	MEAN

LOCATION - LAT 49 06 00 N DRAINAGE AREA 319 km^2
LONG 113 41 48 W REGULATED SINCE 1935

BELLY RIVER NEAR MOUNTAIN VIEW - STATION NO 05AD005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	---	---	1911
1912	---	---	---	---	1912
1913	---	33.4 ON MAY 17	0.9088 ON FEB 28	238 000	1913
1914	---	58.6 ON MAY 29	0.8838 ON FEB 28	317 000	1914
		38.6 ON JUN 14	1.42 B ON JAN 30	295 000	
1915	---				1915
1916	---	38.6 ON JUN 3	0.8218 ON MAR 9	293 000	1916
1917	---	77.3 ON JUN 21	0.9838 ON FEB 5	376 000	1917
1918	---	87.8E ON JUN 11	0.7088 ON JAN 30	308 000	1918
1919	---	46.4 ON JUN 11	1.05 B ON DEC 29	266 000	1919
		54.7 ON MAY 29	0.8238 ON JAN 11	308 000	
1920	---				1920
1921	---	54.7 ON JUN 16	0.7938 ON JAN 15	300 000	1921
1922	---	49.0 ON JUN 8	1.08 B ON FEB 20	321 000	1922
1923	---	57.8 ON JUN 6	0.8858 ON DEC 2	282 000	1923
1924	---	83.1 ON JUN 2	1.16 B ON JAN 3	284 000	1924
		42.5 ON JUN 16	1.26 B ON JAN 22	270 000	
1925	---				1925
1926	---	57.5 ON MAY 23	1.53 B ON DEC 30	332 000	1926
1927	---	33.7 ON OCT 17	1.08 B ON MAR 1	205 000	1927
1928	---	75.6 ON JUN 11	1.29 B ON MAR 25	447 000	1928
1929	---	57.8 ON MAY 25	1.42 B ON FEB 22	358 000	1929
		39.6 ON JUN 3	0.8518 ON FEB 21	221 000	
1930	---				1930
1931	---	38.5 ON MAY 22	0.6488 ON JAN 30	283 000	1931
1932	---	36.8 ON MAY 16	0.5108 ON JAN 13	172 000	1932
1933	---	81.0 ON MAY 22	0.7088 ON JAN 11	268 000	1933
1934	---	84.4 ON JUN 17	0.8788 ON FEB 8	316 000	1934
		79.9 ON JUN 7	1.84 B ON MAR 7	359 000	
1935	---				1935
1936	---	45.4 ON MAY 24	0.8238 ON DEC 18	233 000	1936
1937	---	35.6 ON MAY 15	0.4258 ON NOV 25	188 000	1937
1938	---	118 ON JUN 13	0.6238 ON FEB 1	248 000	1938
1939	---	58.6 ON MAY 28	0.8788 ON APR 1	276 000	1939
		28.6 ON APR 30	0.8518 ON MAR 3	181 000	
1940	---				1940
1941	---	30.6 ON MAY 12	0.8088 ON FEB 23	176 000	1941
1942	---	26.5 ON JUN 29	0.3968 ON FEB 8	172 000	1942
1943	---	71.1 ON JUN 6	1.27 B ON MAR 4	283 000	1943
1944	29.7 AT 15:00 MST ON JUN 27	54.1 ON JUN 18	0.7088 ON DEC 20	288 000	1944
		26.6 ON MAY 18	0.4258 ON JAN 25	148 000	
1945	---				1945
1946	---	47.8 ON JUN 6	0.8918 ON MAR 11	258 000	1946
1947	---	43.6 ON MAY 28	0.7388 ON JAN 20	276 000	1947
1948	91.2 AT 15:15 MST ON JUN 17	40.2 ON MAY 3	1.47 B ON JAN 13	313 000	1948
1949	37.7 AT 07:00 MST ON MAY 28	88.1 ON JUN 17	0.8808 ON NOV 27	330 000	1949
		37.1 ON MAY 28	0.4258 ON FEB 13	225 000	
1950	82.6 AT 10:00 MST ON JUN 22	81.2 ON JUN 22	1.25 B ON FEB 7	343 000	1950
1951	85.5 AT 12:00 MST ON JUN 24	89.1 ON JUN 24	1.84 B ON MAR 8	410 000	1951
1952	28.9 AT 17:00 MST ON JUN 12	27.0 ON MAY 20	0.9348 ON DEC 19	228 000	1952
1953	127 AT 04:00 MST ON JUN 4	120 ON JUN 4	0.5688 ON JAN 6	385 000	1953
1954	88.9 AT 05:00 MST ON MAY 20	88.5 ON MAY 20	0.4818 ON JAN 23	372 000	1954
1955	80.6 AT 10:00 MST ON JUN 25	58.9 ON JUN 25	0.7938 ON MAR 1	295 000	1955
1956	61.7 AT 05:00 MST ON MAY 22	80.9 ON MAY 22	0.7658 ON MAR 8	288 000	1956
1957	56.6 AT 04:00 MST ON MAY 14	55.2 ON MAY 14	1.01 ON AUG 19	257 000	1957
1958	53.8 AT 08:50 MST ON JUN 10	51.3 ON JUN 10	0.7088 ON JAN 26	283 000	1958
1959	55.5 AT 03:00 MST ON JUN 6	54.1 ON JUN 6	1.13 B ON FEB 26	322 000	1959
1960	43.9 AT 08:00 MST ON JUN 4	43.0 ON JUN 4	0.7938 ON DEC 27	220 000	1960
1961	55.2 AT 21:00 MST ON MAY 27	54.7 ON MAY 27	0.8788 ON JAN 29	245 000	1961
1962	32.0 AT 12:00 MST ON JUN 14	31.4 ON JUN 14	1.32 B ON MAR 3	234 000	1962
1963	51.3 AT 13:00 MST ON JUN 10	47.9 ON JUN 10	0.224 ON NOV 6 *	233 000	1963
1964	484 AT 19:00 MST ON JUN 8 *	303 ON JUN 8	0.7428 ON MAR 22	347 000	1964
1965	71.9 AT 18:00 MST ON JUN 19	68.1 ON JUN 19	1.18 B ON JAN 3	331 000	1965
1966	53.5 AT 18:00 MST ON JUN 4	50.1 ON JUN 4	1.05 B ON FEB 11	279 000	1966
1967	86.0 AT 23:30 MST ON MAY 23	82.9 ON MAY 23	0.447 ON OCT 9	308 000	1967
1968	43.9 AT 02:00 MST ON JUN 4	41.9 ON JUN 4	0.9348 ON JAN 6	267 000	1968
1969	89.4 AT 09:10 MST ON JUN 26	84.3 ON JUN 26	1.17 B ON DEC 6	257 000	1969
1970	102 AT 15:28 MST ON JUN 13	85.2 ON JUN 14	0.8218 ON JAN 15	288 000	1970
1971	54.1 AT 07:00 MST ON MAY 28	53.5 ON MAY 28	1.13 B ON MAR 4	298 000	1971
1972	76.7 AT 06:00 MST ON JUN 2	73.6 ON JUN 2	0.9438 ON DEC 12	359 000	1972
1973	45.0 AT 16:30 MST ON JUN 8	43.6 ON MAY 18	1.22 ON OCT 8	184 000	1973
1974	71.1 AT 03:30 MST ON JUN 19	69.9 ON JUN 19	1.28 ON NOV 5	313 000	1974
1975	418 AT 01:50 MST ON JUN 20	331 ON JUN 20 *	0.9438 ON FEB 14	440 000	1975
1976	48.0 AT 12:00 MST ON MAY 11	47.9 ON MAY 11	0.585 ON OCT 16	270 000	1976
1977	18.2 AT 06:50 MST ON JUN 9	17.8 ON JUN 9	0.3068 ON MAR 4	134 000	1977
1978	48.1 AT 18:55 MST ON JUN 6	46.7 ON JUN 6	0.8788 ON MAR 3	283 000	1978
1979	56.6 AT 10:30 MST ON MAY 27	55.1 ON MAY 27	0.8218 ON NOV 19	213 000	1979
1980	74.7 AT 14:20 MST ON MAY 26	70.5 ON MAY 26	0.8878 ON FEB 14	273 000	1980
1981	85.6 AT 21:50 MST ON MAY 22	82.9 ON MAY 22	0.781 ON OCT 16	275 000	1981
1982	45.1 AT 08:25 MST ON JUN 16	44.6 ON JUN 16	0.7408 ON APR 2	232 000	1982
1983	42.3 AT 05:05 MST ON MAY 27	41.5 ON MAY 27	0.675 ON OCT 30	185 000	1983
1984	44.6 AT 16:10 MST ON MAY 31	43.3 ON MAY 31	0.7208 ON DEC 30	191 000	1984
1985	45.5 AT 19:45 MST ON JUN 6	42.7 ON JUN 6	0.5118 ON FEB 6	255 000	1985
1986	83.9 AT 04:45 MST ON MAY 30	83.2 ON MAY 30	0.9508 ON FEB 19	341 000	1986
				276 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BELLY RIVER NEAR STAND OFF - STATION NO. 05AD002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	71.4	32.2	17.2	7.58	5.36	---	---	---	1909
1910	---	---	---	22.3	24.1	19.3	12.4	6.24	11.8	14.0	---	---	---	1910
1911	1.72	2.50	---	8.44	29.5	41.2	18.1	15.1	27.0	7.52	---	---	---	1911
1912	2.20	2.14	---	---	24.4	24.1	19.1	9.10	4.84	5.44	5.54	2.85	---	1912
1913	1.60	1.90	2.28	12.1	24.6	41.9	19.7	12.8	5.91	6.23	4.42	3.62	11.4	1913
1914	2.63	1.41	2.77	10.1	23.9	26.2	16.2	9.08	7.24	12.7	7.10	2.21	10.1	1914
1915	1.89	1.61	2.83	7.76	19.2	35.7	24.6	16.4	12.8	12.4	6.90	2.30	12.4	1915
1916	1.67	10.3	10.1	8.55	20.3	50.1	35.5	13.3	9.14	4.68	3.73	2.43	14.2	1916
1917	1.63	1.14	0.885	10.5	28.2	44.8	24.6	8.03	4.43	3.81	2.74	2.86	11.2	1917
1918	4.70	2.20	3.44	8.06	19.4	28.8	10.9	7.36	5.29	4.47	2.41	1.45	8.22	1918
1919	1.82	1.33	2.70	5.89	22.0	20.2	8.89	6.27	3.12	1.92	1.80	1.67	6.45	1919
1920	1.67	2.98	4.18	8.00	23.3	34.9	27.7	9.42	6.56	5.90	3.17	1.77	10.8	1920
1921	2.11	2.53	4.75	9.63	28.6	38.0	18.1	7.76	4.71	5.37	4.00	4.05	10.8	1921
1922	1.90	1.28	1.58	5.89	26.0	36.3	18.1	7.44	4.18	3.48	3.10	1.85	9.30	1922
1923	2.01	1.72	1.97	5.34	21.4	42.7	17.6	8.59	4.19	5.03	2.49	1.75	9.67	1923
1924	1.21	3.11	1.83	4.23	20.7	34.4	14.8	10.4	4.05	2.75	---	---	---	1924
1925	---	---	6.91	15.7	33.4	31.7	11.6	6.22	6.41	5.83	---	---	---	1925
1926	---	---	1.49	8.02	9.82	9.38	5.24	3.05	11.3	13.1	---	---	---	1926
1927	---	---	2.83	10.6	41.2	85.7	30.4	16.4	19.0	13.6	---	---	---	1927
1928	---	---	10.7	7.75	33.7	35.4	36.4	9.41	5.54	8.88	---	---	---	1928
1929	---	---	4.67	5.26	24.3	30.7	13.3	3.66	3.29	3.45	---	---	---	1929
1930	---	---	3.10	14.8	28.0	25.5	10.8	4.12	3.80	3.00	---	---	---	1930
1931	---	---	1.56	2.71	---	---	---	---	---	---	---	---	---	1931
1935	---	---	---	---	---	---	---	---	---	---	---	---	---	1935
1936	---	---	---	---	19.9	11.9	---	---	1.66	2.06	---	---	---	1936
1948	---	---	---	---	---	---	---	---	---	---	---	---	---	1948
1949	0.925	0.934	2.84	4.49	22.8	21.3	7.49	2.35	4.40	1.50	1.13	1.07	---	1949
1950	2.03	1.89	4.18	8.63	20.2	40.9	26.5	9.17	2.57	3.32	4.13	3.49	6.65	1950
1951	2.70	3.59	6.40	14.5	46.5	50.0	38.8	13.2	18.2	6.58	7.48	4.53	11.3	1951
1952	2.86	3.49	7.93	21.4	23.2	19.2	13.3	9.73	3.72	16.4	6.81	4.41	10.8	1952
1953	3.00	3.12	5.17	11.2	28.1	86.5	29.5	9.45	3.88	1.35	0.944	1.97	9.08	1953
1954	1.94	2.89	2.45	7.83	33.1	34.2	29.8	11.5	10.0	1.58	4.07	2.11	15.6	1954
1955	2.16	1.54	2.62	12.6	26.1	39.0	26.5	6.79	2.38	9.26	5.87	3.20	12.7	1955
1956	2.42	1.86	5.03	7.52	29.1	29.8	22.4	6.86	3.26	7.82	4.98	2.86	11.4	1956
1957	1.86	2.22	5.30	4.20	36.8	25.1	7.24	1.80	0.637	4.85	3.86	2.12	9.86	1957
1958	1.89	2.15	4.28	8.12	29.2	28.6	14.4	5.20	3.70	4.01	5.57	1.98	8.08	1958
1959	3.85	2.33	4.08	8.49	22.9	32.9	13.0	5.38	7.84	2.21	4.13	3.80	8.89	1959
1960	2.19	2.35	7.27	8.84	17.5	23.3	6.11	2.21	0.877	0.438	0.882	0.861	6.07	1960
1961	0.878	1.18	1.67	1.40	14.3	11.8	2.31	1.84	1.86	3.81	4.23	2.25	3.96	1961
1962	2.59	3.23	3.10	10.6	6.80	2.66	1.17	1.06	1.13	0.780	1.03	1.07	2.92	1962
1963	0.943	4.83	2.15	0.770	1.02	2.14	4.71	1.21	0.778	0.444	0.704	0.850	1.70	1963
1964	0.582	0.767	0.980	1.17	23.1	61.6	19.4	0.942	0.884	0.810	0.589	1.29	9.32	1964
1965	2.10	2.87	2.23	8.05	14.0	36.9	16.0	2.18	5.28	7.14	4.70	3.87	8.76	1965
1966	3.42	2.92	4.33	8.58	20.8	28.0	12.0	6.34	2.86	3.62	4.37	3.48	8.50	1966
1967	4.83	3.10	5.78	5.03	35.7	51.2	17.2	1.15	1.62	0.748	1.23	0.877	10.7	1967
1968	0.875	1.91	2.00	2.03	3.91	18.2	2.45	4.67	14.1	10.5	5.21	3.80	5.95	1968
1969	3.73	3.21	5.82	13.0	22.9	31.2	13.0	1.83	1.75	3.71	4.11	2.71	8.92	1969
1970	1.72	1.88	1.80	4.10	26.8	46.8	7.80	1.65	2.06	3.43	2.75	1.89	8.55	1970
1971	1.84	5.88	2.45	6.58	27.1	24.2	7.12	5.06	2.58	4.12	3.71	1.19	7.84	1971
1972	1.86	2.30	17.8	9.06	27.8	37.2	17.6	9.89	3.25	2.46	2.86	2.80	11.3	1972
1973	3.42	2.76	2.84	4.04	7.84	6.33	2.00	0.987	0.632	0.480	4.93	3.09	3.26	1973
1974	2.95	3.10	4.62	8.33	20.9	37.0	6.38	4.45	3.46	3.30	2.80	2.25	8.26	1974
1975	1.84	1.73	1.83	11.1	26.2	88.6	19.1	4.74	12.7	14.2	3.95	6.03	14.6	1975
1976	6.23	3.21	4.15	8.43	28.2	11.0	5.75	10.7	1.86	2.06	2.83	1.86	7.17	1976
1977	1.70	2.53	2.37	3.95	2.66	2.53	1.82	2.21	1.84	1.97	2.32	2.23	2.31	1977
1978	1.72	1.88	2.78	3.93	22.3	22.7	14.2	3.39	3.42	3.48	3.52	2.47	7.18	1978
1979	1.98	1.82	6.21	7.49	26.6	11.6	2.87	2.19	1.75	1.44	1.72	1.84	6.86	1979
1980	1.19	2.48	3.52	2.72	18.9	24.4	1.93	2.45	5.73	5.19	5.04	5.37	5.57	1980
1981	4.88	3.89	2.32	4.03	41.8	35.2	8.85	5.72	1.85	1.87	2.34	1.97	9.59	1981
1982	1.13	1.75	2.86	6.33	9.64	31.5	13.3	3.78	5.08	5.50	2.79	2.28	7.07	1982
1983	2.05	2.55	3.24	2.39	14.3	5.38	3.01	1.55	0.882	1.25	4.43	1.78	3.59	1983
1984	2.71	2.61	1.73	1.36	2.08	4.84	3.30	1.27	0.910	1.54	3.28	1.43	2.25	1984
1985	1.81	1.16	1.42	1.29	---	---	---	---	---	---	---	---	---	1985
MEAN	2.25	2.55	3.92	7.72	22.8	31.3	14.9	6.40	5.33	5.09	3.67	2.56	8.70	MEAN

LOCATION - LAT 49 28 40 N DRAINAGE AREA, 1 210 km²
LONG 113 18 10 W REGULATED SINCE 1935

BELLY RIVER NEAR STAND OFF - STATION NO. 05AD002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)		MAXIMUM DAILY DISCHARGE (m^3/s)		MINIMUM DAILY DISCHARGE (m^3/s)		TOTAL DISCHARGE (dam^3)	YEAR
1909	---		---		---		---	1909
1910	---		---		---		---	1910
1911	---		---		---		---	1911
1912	---		---		1.13 ON JAN 1		---	1912
1913	---		---		1.47 ON FEB 28		---	1913
1914	---		84.1 ON MAY 29		1.25 B ON JAN 19		381 000	1914
			37.9 ON JUN 4		0.6218 ON FEB 6		318 000	
1915	---		---		---		---	1915
1916	---		76.5 ON JUN 26		1.27 B ON DEC 27		381 000	1916
1917	---		93.2 ON JUN 28		1.25 B ON JAN 24		450 000	1917
1918	---		65.8 ON JUN 12		0.2558 ON MAR 17		352 000	1918
1919	---		51.8 ON JUN 13		0.7858 ON NOV 24		259 000	1919
			43.9 ON MAY 29		0.4198 ON JAN 4		203 000	
1920	---		---		---		---	1920
1921	---		54.4 ON JUN 16		0.5958 ON DEC 8		342 000	1921
1922	---		53.2 ON MAY 26		1.13 B ON FEB 18		342 000	1922
1923	76.7		80.3 ON JUN 6		0.9068 ON DEC 1		293 000	1923
1924	---	ON JUN 2	69.7 ON JUN 2		1.10 B ON DEC 31		305 000	1924
			56.6 ON JUN 8		---		---	
1925	57.3	ON MAY 23	55.5 ON MAY 22		---		---	1925
1926	---		34.8 ON OCT 18		---		---	1926
1927	---		124 ON MAY 30		---		---	1927
1928	---		105 ON JUL 2		---		---	1928
1929	---		80.9 ON JUN 4		---		---	1929
1930	---		46.7 ON MAY 22		---		---	1930
1931	---		---		---		---	1931
1935	---		---		---		---	1935
1936	---		---		---		---	1936
1946	---		---		---		---	1946
1949	---		36.5 ON MAY 29		0.7938 ON FEB 4		206 000	1949
1950	84.3 AT 12 00 MST ON JUN 22		52.0 ON JUN 23		1.05 ON SEP 28		358 000	1950
1951	272 AT 04 00 MST ON JUN 25		223 ON JUN 25		1.78 B ON MAR 11		693 000	1951
1952	89.5 AT 01 00 MST ON APR 2		51.0 ON APR 1		0.3988 ON NOV 16		287 000	1952
1953	303 AT 03 00 MST ON JUN 9		273 ON JUN 9		0.6378 ON NOV 1		493 000	1953
1954	70.2 AT 20 00 MST ON MAY 20		69.7 ON MAY 21		0.5388 ON DEC 30		401 000	1954
1955	142 AT 09 00 MST ON MAY 19		112 ON MAY 19		0.8218 ON MAR 5		358 000	1955
1956	85.1 AT 20 00 MST ON MAY 22		64.3 ON MAY 22		0.9348 ON DEC 25		315 000	1956
1957	58.9 AT 10 00 MST ON MAY 15		57.2 ON MAY 15		0.478A ON SEP 8		255 000	1957
1958	55.5 AT 23 00 MST ON JUN 10		51.0 ON JUN 11		0.4638 ON JAN 27		284 000	1958
1959	59.7 AT 19 00 MST ON JUN 16		56.6 ON JUN 7		1.30 B ON MAR 11		320 000	1959
1960	95.7 B AT 09 00 MST ON MAR 19		42.2 ON JUN 4		0.1708 ON NOV 5 *		192 000	1960
1961	58.3 AT 13 00 MST ON MAY 31		51.8 ON MAY 31		0.255 ON APR 21		125 000	1961
1962	---		22.0 ON APR 26		0.320 ON DEC 10		92 100	1962
1963	16.7 AT 15 00 MST ON JUL 7		16.2 ON JUL 6		0.1818 ON JAN 12		53 800	1963
1964	331 AT 08 00 MST ON JUN 9		292 ON JUN 9 *		0.2638 ON MAR 2		295 000	1964
1965	89.4 AT 02 00 MST ON JUN 18		87.1 ON JUN 20		0.8238 ON DEC 25		277 000	1965
1966	---		77.8 ON JUN 5		0.8238 ON MAR 22		268 000	1966
1967	77.6 AT 15 30 MST ON MAY 24		75.3 ON MAY 24		0.4368 ON DEC 7		338 000	1967
1968	35.1 AT 15 00 MST ON JUN 4		34.5 ON JUN 4		0.4188 ON JAN 27		188 000	1968
1969	88.6 AT 02 30 MST ON JUN 27		80.1 ON JUN 27		0.898 ON SEP 10		281 000	1969
1970	137 AT 12 10 MST ON JUN 14		124 ON JUN 14		0.708 ON JUL 28		289 000	1970
1971	45.0 AT 03 00 MST ON MAY 28		44.5 ON MAY 29		0.7198 ON DEC 30		241 000	1971
1972	85.4 AT 21 15 MST ON JUN 2		83.7 ON JUN 2		0.8298 ON JAN 5		356 000	1972
1973	25.8 AT 22 10 MST ON MAY 19		24.9 ON MAY 20		0.212 ON OCT 5		103 000	1973
1974	83.1 AT 20 00 MST ON JUN 18		80.9 ON JUN 18		0.920 ON AUG 5		280 000	1974
1975	384 AT 19 30 MST ON JUN 20 *		287 ON JUN 21		1.44 B ON APR 1		458 000	1975
1976	48.4 AT 01 40 MST ON MAY 13		47.0 ON MAY 12		0.9128 ON DEC 29		227 000	1976
1977	5.52 AT 11 30 MST ON APR 7		5.15 ON APR 8		0.7488 ON NOV 21		72 800	1977
1978	40.8 AT 08 30 MST ON JUN 7		39.9 ON JUN 7		1.08 B ON JAN 31		226 000	1978
1979	56.8 AT 12 05 MST ON MAY 28		55.0 ON MAY 28		1.00 B ON DEC 29		178 000	1979
1980	119 AT 09 50 MST ON MAY 27		103 ON MAY 27		0.4038 ON MAR 31		208 000	1980
1981	153 AT 18 40 MST ON MAY 22		115 ON MAY 22		0.9008 ON DEC 31		302 000	1981
1982	46.9 AT 09 30 MST ON JUN 15		46.2 ON JUN 15		0.8808 ON JAN 2		223 000	1982
1983	38.7 AT 18 10 MST ON MAY 27		37.3 ON MAY 27		0.873 ON SEP 24		113 000	1983
1984	25.4 AT 12 40 MST ON JUN 30		25.1 ON JUN 30		0.895 ON SEP 6		71 100	1984
1985	---		---		---		---	1985
							275 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)

B - ICE CONDITIONS

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BENCH MARK CREEK NEAR FORT SMITH - STATION NO. 07NB006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	---	---	---	---	0.018	0	---	1967
1968	0	0	0	0.206	0.480	0.171	0.176	0.072	0.101	0.057	0.019	0.001	0.107	1968
1969	---	---	---	0.215	0.109	0.036	0.015	0.024	0.022	0.014	0.003	---	---	1969
1970	---	---	---	---	0.123	0.038	0.018	0.035	---	0.029	---	---	---	1970
1971	0	0	0	0.254	0.121	0.026	0.012	0.008	0.012	0.008	0.002	0.001	0.037	1971
1972	0	0	0	0.128	0.357	0.075	0.035	0.020	0.035	0.020	0.001	0	0.056	1972
1973	0	0	0	0.187	0.188	0.070	0.374	0.218	0.179	0.149	0.026	0.010	0.118	1973
1974	0.002	0	0	0.540	0.356	0.198	0.203	0.100	0.082	0.057	0.023	0.006	0.132	1974
1975	0.001	0	0	0.221	0.153	0.076	0.012	0.058	0.051	0.072	0.015	0.001	0.058	1975
1976	0	0	0	0.500	0.088	0.038	0.147	0.088	0.051	0.049	0.008	0	0.081	1976
1977	0	0	0	0.284	0.049	0.447	0.242	0.123	0.128	0.063	0.011	0	0.112	1977
1978	0	0	0	0.111	0.201	0.051	0.017	0.008	0.022	0.028	0.009	0	0.037	1978
1979	0	0	0	0.007	0.287	0.027	0.013	0.012	0.010	0.036	0.026	0.002	0.036	1979
1980	0	0	0	0.145	0.021	0.017	0.048	0.018	0.015	0.008	0.006	0	0.023	1980
1981	0	0	0	0.175	0.128	0.051	0.019	0.007	0.010	0.010	0.007	0.004	0.034	1981
1982	0	0	0	0.079	0.095	0.017	0.005	0.008	0.018	0.018	0.001	0	0.020	1982
1983	0	0	0.001	0.186	0.103	0.030	0.085	0.089	0.101	0.030	0.036	0	0.054	1983
MEAN	0	0	0	0.215	0.179	0.086	0.089	0.056	0.059	0.041	0.013	0.002	0.085	MEAN

LOCATION - LAT 59 48 50 N DRAINAGE AREA, 65.0 km²
LONG 111 57 45 W NATURAL FLOW

BENCH MARK CREEK NEAR FORT SMITH - STATION NO. 07NB006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	---	---	1967
1968	2.29 AT 21 45 MST ON MAY 4 *	1.47 ON MAY 4	0 ON JAN 1 *	3 380	1968
1969	---	0.416A ON APR 14	0 ON APR 1	---	1969
1970	1.03 AT 23 10 MST ON APR 25	0.878 ON APR 25	---	---	1970
1971	1.28A AT 15 50 MST ON APR 20	1.20 A ON APR 20	0B ON JAN 1	1 170	1971
1972	1.03A ON MAY 3	1.03 A ON MAY 3	0 ON JAN 1	1 770	1972
1973	1.14 AT 12 00 MST ON JUL 9	1.01 ON JUL 9	0 ON JAN 1	3 710	1973
1974	---	2 00 ON APR 23 *	0E ON JAN 23	4 150	1974
1975	---	0.561A ON APR 24	0E ON JAN 17	1 83?	1975
1976	---	1.25 B ON APR 14	0B ON JAN 1	2 58!	1976
1977	---	1.47 E ON JUN 10	0B ON JAN 1	3 53!	1977
1978	---	0.813E ON MAY 1	0B ON JAN 1	1 180	1978
1979	---	1.05 E ON MAY 11	0B ON JAN 1	1 120	1979
1980	---	0.500 ON APR 15	0B ON JAN 1	732	1980
1981	---	0.941A ON APR 28	0B ON JAN 1	1 080	1981
1982	---	0.238 ON APR 27	0B ON JAN 1	540	1982
1983	---	0.801 ON APR 22	0B ON JAN 1	1 710	1983
				2 040	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BERLAND RIVER NEAR THE MOUTH - STATION NO. 07AC007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1985	---	---	11.1	26.4	85.9	81.0	137	51.1	41.2	61.7	---	---	59.7	1985
MEAN	---	---	11.1	26.4	85.9	81.0	137	51.1	41.2	61.7	---	---	59.7	MEAN

LOCATION - LAT 64 00 47 N DRAINAGE AREA, 4 740 km²
LONG 116 57 47 W NATURAL FLOW

BERLAND RIVER NEAR THE MOUTH - STATION NO. 07AC007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1985	480 AT 10 21 MST ON JUL 19 *	461 ON JUL 19 *	8.208 ON MAR 1 *	1 280 000	1985
				1 260 000	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BERRY CREEK (EAST BRANCH) NEAR WARDLOW - STATION NO. 05CH003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1922	---	---	---	---	0	0	0	0	0	0	---	---	---	1922
1936	---	---	0	0.857	0	0	---	---	---	---	---	---	---	1936
MEAN	---	---	0	0.857	0	0	0	0	0	0	---	---	---	MEAN

LOCATION - LAT 60 54 32 N DRAINAGE AREA, 875 km²
LONG 111 33 01 W NATURAL FLOW

BERRY CREEK (EAST BRANCH) NEAR WARDLOW - STATION NO. 05CH003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1922	---	---			
			0 ON MAR 23 *	---	1922
1936	---	11.3E ON APR 19 *	0B ON MAR 1	---	1936
				---	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BERRY CREEK AT FORSTER'S RANCH - STATION NO. 05CH001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	---	1.09	0.339	0.142	---	---	---	---	1911
1912	---	---	---	---	0.381	0.832	0.878	0.894	0.137	0.088	---	---	---	1912
MEAN	---	---	---	---	0.381	0.832	1.43	0.517	0.140	0.088	---	---	---	MEAN

LOCATION - LAT 50 58 00 N
LONG 111 45 00 W
DRAINAGE AREA, 2 480 km^2
NATURAL FLOW

BERRY CREEK BELOW DEADFISH CREEK - STATION NO. 05CH016

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	---	0.043	0	0	0.257	0.557	0.023	0.018	---	---	---	1984
1985	---	---	0.013	3.15	0.851	0.882	1.10	0.781	0.081	0.258	---	---	0.880	1985
1986	---	---	---	---	---	0.702	0.651	0.392	0.261	0.089	---	---	---	1986
MEAN	---	---	0.013	1.80	0.431	0.481	0.688	0.577	0.122	0.125	---	---	0.880	MEAN

LOCATION - LAT 50 58 05 N
LONG 111 45 59 W
DRAINAGE AREA, 2 480 km^2

BERRY CREEK BELOW DEADFISH CREEK - STATION NO. 05CH016

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	1.47 AT 22 38 MST ON JUL 27	1.35 ON JUL 28			
			0 ON MAY 2 *	---	1984
1985	12.7 AT 10 10 MST ON APR 12 *	12.5 ON APR 12 *			
1986	2.07	1.29E ON JUN 7	0B ON MAR 1	18 200	1985
		---	---	---	1986
				18 200	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BERRY CREEK NEAR POLLOCKVILLE - STATION NO. 05CH010

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	---	---	---	---	---	---	0	0	---	---	---	1981
1982	---	---	0.001	0.005	0.003	0.002	0	0.002	0.001	0	---	---	0.002	1982
1983	---	---	0.008	0.001	0.001	---	---	---	---	---	---	---	---	1983
MEAN	---	---	0.005	0.003	0.002	0.002	0	0.002	0.001	0	---	---	0.002	MEAN

LOCATION - LAT 51 05 45 N
LONG 111 40 53 W
DRAINAGE AREA, 2 090 km^2
REGULATED

BERRY CREEK NEAR POLLOCKVILLE - STATION NO. 05CH010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	---				
1982	---	---			
1983	---		0A ON JUN 24 *	---	
		0.0198 ON APR 13 *	0B ON MAR 1	37.3	1981
		---	0B ON MAR 1	---	1982
					1983
				37.3	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BERRY CREEK NEAR ROSE LYNN - STATION NO. 05CH008

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	---	0.014	0	0	---	---	---	1967
1969	---	---	0	11.8	0.374	0.002	0	0	0	0	---	---	1.49	1969
1970	---	---	0	6.80	0.215	0.039	0.024	0.004	0.013	0	---	---	0.870	1970
1971	---	---	0	11.5	0.708	0.041	0.022	0.014	0	0	---	---	1.56	1971
1972	---	---	0	0.157	0.068	0.167	0.051	0.044	0	0	---	---	0.060	1972
1973	---	---	0	0.283	0.230	1.83	0.285	0.105	0.128	0.102	---	---	0.386	1973
1974	---	---	0.014	16.2	5.83	0.432	0.155	0.007	0.058	0.086	---	---	2.81	1974
1975	---	---	0	1.25	4.63	0.248	0.110	0.083	0.073	0.010	---	---	0.803	1975
1976	---	---	0.047	0.255	0.178	0.140	0.079	---	---	0	---	---	---	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0.065	0.095	0.001	0.001	0.004	0.001	0.005	0	---	---	0.022	1978
1979	---	---	0.738	0.183	0.103	0.010	0.007	0.022	0.026	0	---	---	0.137	1979
1980	---	---	0	0.005	0	0	0	0	0	0	---	---	0.001	1980
1981	---	---	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0	0.031	0	0	0	0	0	0	---	---	0.004	1982
1983	---	---	0.198	0.006	0	0	0.013	0	0	0	---	---	0.027	1983
1984	---	---	0	0	0	0	0	0	0	0	---	---	0	1984
1985	---	---	0	9.84	0.278	0.001	0	0	0.044	0.003	---	---	1.22	1985
1986	---	---	0	0	0	0	0.007	0	0	0	---	---	0.001	1986
MEAN	---	---	0.059	3.26	0.701	0.182	0.042	0.018	0.019	0.010	---	---	0.551	MEAN

LOCATION - LAT 51 24 56 N DRAINAGE AREA, 1 550 km²
LONG 111 29 41 W REGULATED

BERRY CREEK NEAR ROSE LYNN - STATION NO. 05CH008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	0 ON SEP 5 *	---	1967
1969	51.5 AT 23:30 MST ON APR 8	43.6 ON APR 9	0B ON MAR 1	31 800	1969
1970	35.1 AT 01:30 MST ON APR 7	31.7 ON APR 7	0B ON MAR 1	18 400	1970
1971	52.4 AT 13:00 MST ON APR 15	51.0 ON APR 15	0B ON MAR 1	32 800	1971
1972	1.52 AT 16:45 MST ON JUN 10	0.719 ON JUN 11	0B ON MAR 1	1 280	1972
1973	13.1 AT 20:50 MST ON JUL 16	10.6 ON JUN 17	0B ON MAR 1	7 750	1973
1974	84.7 AT 00:10 MST ON APR 25 *	78.7 ON APR 25 *	0 ON AUG 21	59 500	1974
1975	14.4 AT 20:00 MST ON MAY 7	14.3 ON MAY 7	0B ON MAR 1	17 000	1975
1976	1.20 AT 16:30 MST ON APR 1	0.745 ON APR 2	0B ON MAR 1	---	1976
1977	---	0 ON MAR 1	C ON MAR 1	0	1977
1978	---	1.05 B ON MAR 30	0B ON MAR 1	459	1978
1979	---	3.90 B ON MAR 15	0B ON MAR 1	2 900	1979
1980	0.036 AT 18:00 MST ON APR 17	0.031 ON APR 18	0B ON MAR 1	13.3	1980
1981	---	0 B ON MAR 1	0B ON MAR 1	0	1981
1982	0.120 AT 10:08 MST ON APR 18	0.118 ON APR 17	0 ON MAR 1	78.7	1982
1983	---	1.26 B ON MAR 14	0B ON MAR 1	581	1983
1984	---	0 B ON MAR 1	0B ON MAR 1	0	1984
1985	---	33.0 B ON APR 3	0B ON MAR 1	25 900	1985
1986	0.122 AT 15:08 MST ON JUL 11	0.079 ON JUL 11	0 ON MAR 1	17.5	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		11 700	MEAN

BERRY CREEK NEAR THE MOUTH - STATION NO. 05CH007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	0.036	0.141	0.147	0.517	0.208	0.009	0.057	0.754	---	---	0.233	1964
1965	---	---	0.052	7.10	2.04	0.770	0.333	0.438	0.154	0.231	---	---	1.37	1965
1966	---	---	0.319	1.11	0.295	0.682	0.584	0.545	0.243	0.215	---	---	0.498	1966
1967	---	---	0.039	0.870	3.65	1.13	0.259	0.586	0.016	0.194	---	---	0.845	1967
1968	---	---	0.061	0.262	0.238	0.277	0.158	0.083	0.084	0.194	---	---	0.167	1968
1969	---	---	0.013	8.70	1.51	0.548	0.589	0.350	0.104	0.349	---	---	1.50	1969
1970	---	---	0.037	3.86	1.36	0.715	0.407	0.289	0.055	0.127	---	---	0.845	1970
1971	---	---	0.037	13.5	2.75	0.567	0.315	0.388	0.204	0.084	---	---	2.20	1971
1972	---	---	0.221	0.233	0.205	0.188	0.043	0.142	0.013	0.022	---	---	0.133	1972
1973	---	---	0.126	0.262	0.134	0.220	0.040	0.208	0.021	0.005	---	---	0.126	1973
1974	---	---	0.048	3.83	11.9	1.22	0.814	0.748	0.200	0.079	---	---	2.35	1974
1975	---	---	0.009	0.203	4.04	0.828	0.291	0.250	0.013	0.020	---	---	0.712	1975
1976	---	---	0.273	0.288	0.101	0.257	0.128	0.108	0	0.015	---	---	0.147	1976
1977	---	---	0.082	0.084	0.042	0	0	0	0.001	0.002	---	---	0.025	1977
1978	---	---	0.011	0.085	0.071	0.007	0.002	0.001	0.001	0.011	---	---	0.024	1978
1979	---	---	0.088	0.079	0.042	0.018	0	0	0	0.001	---	---	0.030	1979
1980	---	---	0.042	0.084	0.025	0.023	0.008	0.004	0.002	0.010	---	---	0.025	1980
1981	---	---	0.007	0.008	0.015	0.006	0	0	0	0	---	---	0.004	1981
1982	---	---	0.001	0.008	0.010	0.003	0.008	0.005	0.004	0.001	---	---	0.005	1982
1983	---	---	0.015	0.009	0.004	0.001	0.002	0.002	0	0	---	---	0.004	1983
1984	---	---	0.005	0.006	0.005	0.001	0	0.018	0.026	0.012	---	---	0.009	1984
1985	---	---	0.048	3.23	0.823	0.320	0.455	0.449	0.038	0.195	---	---	0.889	1985
1986	---	---	0.077	0.079	0.015	0.317	0.105	0.114	0.307	0.157	---	---	0.145	1986
MEAN	---	---	0.071	1.82	1.28	0.375	0.198	0.205	0.086	0.116	---	---	0.525	MEAN

LOCATION - LAT 50 51 18 N DRAINAGE AREA, 3 720 km²
LONG 111 35 26 W REGULATED

BERRY CREEK NEAR THE MOUTH - STATION NO 05CH007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)		MAXIMUM DAILY DISCHARGE (m^3/s)		MINIMUM DAILY DISCHARGE (m^3/s)		TOTAL DISCHARGE (dam^3)	YEAR
1984	2.84	AT 05:00 MST ON JUN 18	2.27	ON JUN 18	0	ON AUG 21 *	4 950	1984
1985	22.9	AT 10:00 MST ON APR 24	22.6	ON APR 24	0	B ON MAR 1	29 100	1985
1986	5.61	AT 18:00 MST ON APR 2	4.30	ON APR 2	0	B ON MAR 1	10 600	1986
1987	---	---	4.13	ON JUN 1	0	ON SEP 10	17 900	1987
1988	0.783	AT 19:10 MST ON APR 19	0.733	ON APR 19	0	ON JUL 12	3 930	1988
1989	---	---	28.3	ON APR 19	0	B ON MAR 15	31 800	1989
1970	10.1	AT 14:30 MST ON APR 14	9.63	ON APR 20	0.0088	ON MAR 4	17 900	1970
1971	48.7	AT 20:30 MST ON APR 20	45.7	ON APR 20	0	B ON MAR 1	46 700	1971
1972	---	---	1.35 B	ON MAR 18	0	ON JUL 11	2 820	1972
1973	1.35	AT 23:50 MST ON JUN 15	0.847	ON JUN 15	0	ON JUL 20	2 870	1973
1974	52.7	AT 01:20 MST ON MAY 1 *	51.3	ON MAY 1 *	0.040	ON SEP 30	49 800	1974
1975	9.84	AT 12:00 MST ON MAY 12	9.83	ON MAY 12	0	B ON MAR 1	15 000	1975
1976	1.35	AT 14:00 MST ON JUN 15	0.663	ON MAR 19	0	ON SEP 2	3 110	1976
1977	0.184	AT 02:30 MST ON APR 6	0.187	ON APR 6	0	ON JUN 3	533	1977
1978	---	---	0.161	ON APR 23	0	B ON MAR 1	500	1978
1979	---	---	0.2648	ON MAR 21	0	B ON MAR 1	634	1979
1980	---	---	0.1708	ON MAR 31	0	B ON MAR 1	520	1980
1981	0.047	AT 09:40 MST ON MAY 21	0.031	ON MAY 19	0	ON APR 26	93.6	1981
1982	0.055	AT 15:45 MST ON MAY 30	0.032	ON MAY 30	0	B ON MAR 1	106	1982
1983	0.0528	AT 09:00 MST ON MAR 11	0.0478	ON MAR 11	0	ON SEP 1	87.8	1983
1984	0.250	AT 18:55 MST ON AUG 31	0.181	ON AUG 29	0	ON JUN 29	193	1984
1985	11.5	AT 09:51 MST ON APR 14	11.4	ON APR 14	0	B ON MAR 1	14 100	1985
1986	2.79	AT 17:57 MST ON SEP 25	1.25	ON SEP 26	0	ON APR 13	3 070	1986
							11 100	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BERRY CREEK NEAR WARDLOW - STATION NO 05CH002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO JUN IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1921	---	---	0.002	4.50	0.888	0.122	0.029	0.001	---	---	---	---	1.36	1921
1922	---	---	---	1.11	0.183	0.038	0.019	0.005	0.005	0.023	---	---	---	1922
1923	---	---	0.001	0.031	0.007	2.55	1.06	0.063	0.015	0.017	---	---	0.637	1923
1924	---	---	0.004	0.081	0.035	0.014	0.002	0.012	0.004	0.016	---	---	0.033	1924
1925	---	---	0.044	14.4	1.86	0.220	0.474	0.104	0.054	0.061	---	---	4.02	1925
1926	---	---	2.31	2.54	0.494	0.055	0.014	0.017	0.038	0.030	---	---	1.35	1926
1927	---	---	0.053	18.3	5.85	2.31	0.902	0.489	0.246	0.215	---	---	6.57	1927
1928	---	---	13.3	6.42	1.35	0.518	0.479	0.223	0.111	0.115	---	---	5.43	1928
1929	---	---	0.125	0.199	0.145	0.084	0.003	---	---	---	---	---	0.133	1929
1930	---	---	0.005	0.177	0.093	0.012	0	0	0	0	---	---	0.084	1930
1935	---	---	---	3.52	0.589	0.048	0.021	---	---	---	---	---	---	1935
1936	---	---	0	6.89	0.376	0.187	0.018	---	---	---	---	---	1.94	1936
1937	---	---	---	0.183	0.037	0.007	---	---	---	---	---	---	---	1937
1938	---	---	---	8.23	2.07	0.433	---	---	---	---	---	---	---	1938
1939	---	---	2.71	2.85	0.302	1.82	---	---	---	---	---	---	1.92	1939
1940	---	---	---	13.6	9.00	0.727	---	---	---	---	---	---	---	1940
1941	---	---	0.573	14.7	0.813	0.349	---	---	---	---	---	---	4.04	1941
1942	---	---	0.005	0.052	0	0	---	---	---	---	---	---	0.014	1942
1943	---	---	0.138	17.6	1.04	0.182	---	---	---	---	---	---	4.67	1943
1947	---	---	5.70	13.4	0.836	0.143	---	---	---	---	---	---	4.84	1947
1948	---	---	0	27.5	17.9	1.19	---	---	---	---	---	---	11.6	1948
1949	---	---	0.044	0.148	0.003	0	---	---	---	---	---	---	0.048	1949
1950	---	---	0	0.008	0	---	---	---	---	---	---	---	---	1950
1951	---	---	0	10.0	9.75	---	---	---	---	---	---	---	---	1951
1952	---	---	0.301	37.1	2.18	0.776	---	---	---	---	---	---	9.84	1952
1953	---	---	0	0.323	2.46	2.69	---	---	---	---	---	---	1.34	1953
MEAN	---	---	1.21	7.83	2.25	0.597	0.252	0.102	0.059	0.080	---	---	3.18	MEAN

LOCATION - LAT 50 54 26 N LONG 111 33 40 W DRAINAGE AREA, 2 790 km^2 REGULATED

BERRY CREEK NEAR WARDLOW - STATION NO. 05CH002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO JUN FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1921	---	16.2 ON APR 17	0 ON MAR 1 *	14 400	1921
1922	---	5.80 B ON APR 8	0.035 ON JUN 25	---	1922
1923	---	12.9 ON JUN 25	0 B ON MAR 1	6 710	1923
1924	---	0.1308 ON APR 9	0 B ON MAR 3	352	1924
1925	---	32.0 ON APR 13	0 B ON MAR 1	42 400	1925
1926	---	8.30 ON APR 15	0 B ON MAR 1	14 200	1926
1927	---	50.1 ON APR 21	0 B ON MAR 1	59 300	1927
1928	---	113 E ON MAR 25	0 B ON MAR 1	57 300	1928
1929	---	0.2898 ON MAR 20	0 B ON MAR 1	1 400	1929
1930	---	0.439 ON APR 9	0 B ON MAR 1	873	1930
1935	---	15.3 ON APR 21	0 B ON APR 1	---	1935
1936	---	23.5 ON APR 18	0 B ON MAR 1	20 900	1936
1937	---	0.382 ON APR 14	0 B ON APR 1	---	1937
1938	---	27.5 ON APR 13	0 B ON MAR 29	---	1938
1939	---	15.4 ON MAR 29	0 B ON MAR 1	20 200	1939
1940	---	63.7 ON APR 26	0 B ON APR 1	---	1940
1941	---	38.5 ON APR 10	0 B ON MAR 1	42 600	1941
1942	---	0.122 ON APR 14	0 B ON MAR 1	148	1942
1943	---	53.2 ON APR 8	0 ON MAR 1	49 200	1943
1947	---	47.6 ON MAR 29	0 B ON MAR 1	52 200	1947
1948	---	180 E ON APR 26 *	0 B ON MAR 1	122 000	1948
1949	---	0.4538 ON APR 8	0 B ON MAR 1	504	1949
1950	---	0.035 ON APR 19	0 ON MAR 1	---	1950
1951	---	28.6 B ON APR 16	0 B ON MAR 1	---	1951
1952	---	133 ON APR 8	0 B ON MAR 1	106 000	1952
1953	---	11.7 ON MAY 14	0 B ON MAR 1	14 200	1953
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		33 300	MEAN

BERRY CREEK RESERVOIR OUTLET - STATION NO. 05CH011

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1983	---	---	---	---	---	0	0	0	0	0	---	---	---	1983
1984	---	---	0	0	0	0	0	0	0	0.317	---	---	0.040	1984
1985	---	---	0	3.49	0.617	0.793	1.17	0.366	0	0.068	---	---	0.793	1985
1986	---	---	0	0	0.132	0.809	0.795	0.440	0.081	0	---	---	0.283	1986
MEAN	---	---	0	1.16	0.216	0.401	0.491	0.202	0.023	0.096	---	---	0.372	MEAN

LOCATION - LAT 51 14 23 N
LONG 111 37 51 W

DRAINAGE AREA, 1 830 km^2
REGULATED SINCE 1983

BERRY CREEK RESERVOIR OUTLET - STATION NO. 05CH011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1983	---	---	0A ON MAY 10 *	---	1983
1984	1.83 AT 09:45 MST ON OCT 11	1.72 ON OCT 11	0 ON MAR 1	846	1984
1985	15.8 AT 09:59 MST ON APR 11 *	15.5 ON APR 11 *	0B ON MAR 1	18 800	1985
1986	1.28 AT 00:32 MST ON JUN 18	1.27 ON JUN 18	0E ON MAR 1	8 000	1986
	A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		7 880	MEAN

BIGKNIFE CREEK NEAR GADSBY - STATION NO. 05FC002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	0.009	0.003	0	0	---	---	---	1967
1968	---	---	0.248	0.011	0	0	0	0.009	0.006	0.003	---	---	0.036	1968
1969	---	---	0	2.83	0.046	0.001	0.014	0	0.012	0	---	---	0.388	1969
1970	---	---	0	3.71	0.128	0.110	1.78	0.110	0.007	0.004	---	---	0.725	1970
1971	---	---	0	2.38	0.068	0.020	0.545	0.005	0	0	---	---	0.497	1971
1972	---	---	0	0.719	0.019	0.400	0.140	0.007	0.001	0	---	---	0.158	1972
1973	---	---	0.326	0.527	0.087	1.18	0.128	0.546	0.001	0.001	---	---	0.341	1973
1974	---	---	0	7.19	2.18	0.188	0.075	0	0	0	---	---	1.19	1974
1975	---	---	0	1.81	1.42	0.026	0.271	0.001	0	0	---	---	0.451	1975
1976	---	---	0.002	1.54	0.004	0	0	0	0	0	---	---	0.190	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0.178	0.638	0	0.046	0.004	0	0.518	0.032	---	---	0.234	1978
1979	---	---	0.588	0.355	0.046	0.010	0	0	0	0	---	---	0.126	1979
1980	---	---	0	0.619	0.006	0.004	0	0	0	0	---	---	0.077	1980
1981	---	---	0.186	0.019	0.002	0	0	0	0	0	---	---	0.026	1981
1982	---	---	0	0.313	0.007	0	0.015	0	0	0	---	---	0.041	1982
1983	---	---	0.006	0.088	0.009	0.192	0.536	0.001	0	0	---	---	0.104	1983
1984	---	---	0.030	0.040	0	0	0	0	0.003	0.001	---	---	0.009	1984
1985	---	---	0.892	1.91	0.180	0.015	0	0.012	0.001	0	---	---	0.373	1985
1986	---	---	0.342	0.033	0.005	0.001	0.980	0.357	0	0.076	---	---	0.227	1986
MEAN	---	---	0.148	1.38	0.221	0.114	0.225	0.053	0.047	0.006	---	---	0.272	MEAN

LOCATION - LAT 52 26 04 N
LONG 112 21 18 W
DRAINAGE AREA, 223 km²
NATURAL FLOW

BIGKNIFE CREEK NEAR GADSBY - STATION NO. 05FC002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1967	---	---	---	---	1967
1968	---	0.8786 ON MAR 1	0 ON AUG 18 *	---	1968
1969	---	18.7 ON APR 10	0 ON MAY 1	785	1969
			0E ON MAR 1	7 780	
1970	19.3 B AT 09:20 MST ON APR 12	18.9 B ON APR 12	0E ON MAR 1	15 400	1970
1971	14.0 AT 04:00 MST ON APR 15	13.7 ON APR 15	0E ON MAR 1	10 500	1971
1972	5.44 AT 09:00 MST ON JUN 11	3.40 B ON APR 8	0E ON MAR 1	3 350	1972
1973	7.93 AT 16:30 MST ON JUN 18	7.45 ON JUN 18	0E ON MAR 1	7 230	1973
1974	41.1 A AT 20:00 MST ON APR 22 *	37.7 A ON APR 22 *	0E ON MAR 1	35 100	1974
1975	11.8 AT 05:30 MST ON APR 26	11.2 ON APR 26	0E ON MAR 1	9 550	1975
1976	8.50 AT 08:20 MST ON APR 9	8.38 ON APR 9	0E ON MAR 1	4 020	1976
1977	---	0 ON MAR 1	0 ON MAR 1	0	1977
1978	5.84 AT 04:00 MST ON SEP 14	4.79 ON SEP 14	0E ON MAR 1	4 730	1978
1979	4.00 B AT 10:30 MST ON MAR 16	3.80 B ON MAR 16	0E ON MAR 1	2 870	1979
1980	3.67 AT 23:00 MST ON APR 12	3.35 ON APR 14	0E ON MAR 1	1 630	1980
1981	0.8848 AT 15:50 MST ON MAR 15	0.5858 ON MAR 15	0 ON JUN 1	895	1981
1982	---	2.69 B ON APR 17	0E ON MAR 1	872	1982
1983	3.54 AT 06:38 MST ON JUL 5	3.38 ON JUL 5	0E ON MAR 1	2 310	1983
1984	---	0.5168 ON MAR 31	0E ON MAR 1	192	1984
1985	---	---	---	---	1985
1986	5.80 AT 19:43 MST ON JUL 31	5.02 B ON APR 3	0E ON MAR 1	7 800	1986
		5.47 ON JUL 31	0E ON MAR 1	4 800	
				5 750	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BIGSTONE CREEK NEAR BIGSTONE - STATION NO. 05FA004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1925	---	---	---	5.19	---	---	---	---	---	---	---	---	---	1925
MEAN	---	---	---	5.19	---	---	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 53 02 18 N
LONG 113 26 08 W
DRAINAGE AREA, 856 km²
REGULATED

BIGSTONE CREEK NEAR BIGSTONE - STATION NO. 05FA004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1925	---	19.3 ON APR 13 *	0E ON APR 1 *	---	1925
				---	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BIRCH CREEK NEAR CONKLIN - STATION NO. 07CE005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	0.348R	0.600R	3.33R	1.60 R	1.06 R	0.398R	0.588R	0.378R	---	---	1.03R	1984
1985	---	---	0.228	1.30	6.38	1.32	0.179	0.363	1.38	1.05	---	---	1.53	1985
1986	---	---	0.113	0.406	1.31	0.418	3.56	1.81	0.237	0.501	---	---	1.04	1986
MEAN	---	---	0.196R	0.768R	3.67R	1.16 R	1.60 R	0.824R	0.738R	0.643R	---	---	1.20	MEAN

LOCATION - LAT 55 37 07 N
LONG 111 05 09 W NATURAL FLOW

R - REVISED SINCE JAN 1988

BIRCH CREEK NEAR CONKLIN - STATION NO. 07CE005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	---	5.60RE ON MAY 18	0.088R ON AUG 27	31 800R	1984
1985	13.3 AT 14:30 MST ON MAY 6 *	12.4 ON MAY 7 *	0.080E ON JUL 28	32 400	1985
1986	9.55 AT 13:47 MST ON JUL 19	8.27 ON JUL 19	0.002 ON JUL 3 *	22 400	1986
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD R - REVISED SINCE JAN 1 1988		25 500	MEAN

BIRCH RIVER BELOW ALICE CREEK - STATION NO. 07KE001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	---	89.1	18.8	41.1	22.3	8.46	---	1967
1968	1.15	0.787	0.954	37.7	194	94.5	98.6	40.6	61.3	43.6	20.6	9.34	45.3	1968
1969	1.99	1.17	0.784	135	167	32.1	6.83	3.96	3.85	4.16	1.55	0.885	37.3	1969
1970	0.488	0.451	0.358	16.8	62.5	26.0	13.6	6.18	7.82	12.6	3.72	0.884	12.8	1970
1971	0.499	0.422	0.305	38.3	31.0	13.6	26.6	7.39	46.7	28.0	10.7	4.31	18.7	1971
1972	1.08	0.882	0.821	4.44	232	36.0	35.3	7.86	4.20	8.86	3.33	1.33	38.6	1972
1973	1.36	0.982	0.876	8.13	76.6	128	185	172	46.1	46.9	37.3	8.81	60.6	1973
1974	3.36	1.85	1.16	84.7	224	48.2	200	81.2	26.7	22.0	7.67	2.96	58.7	1974
1975	1.50	1.12	1.05	32.7	107	182	95.6	72.8	217	95.3	28.2	5.18	67.7	1975
1976	2.01	1.42	1.28	107	55.1	41.6	46.1	29.1	12.8	28.4	12.6	3.82	28.4	1976
1977	1.48	0.917	0.803	30.1	31.9	31.6	63.4	26.8	14.0	30.1	8.00	1.34	18.6	1977
1978	0.735	0.601	0.380	10.2	82.2	37.4	15.6	10.6	80.6	145	31.6	8.79	34.4	1978
1979	2.06	1.06	0.760	1.13	136	87.6	18.6	13.2	36.2	32.7	14.9	4.69	28.6	1979
1980	1.30	0.630	0.422	18.9	11.1	10.3	23.4	86.9	23.6	16.1	3.74	0.902	16.9	1980
1981	0.595	0.353	0.276	5.78	86.2	20.6	16.1	8.06	1.62	2.86	2.33	0.855	10.6	1981
1982	0.308	0.211	0.167	5.87	138	21.6	4.57	7.09	9.82	5.32	1.76	0.676	16.7	1982
1983	0.618	0.586	0.495	61.7	90.2	33.9	84.3	60.4	16.3	11.3	6.86	1.83	35.2	1983
1984	0.791	0.581	0.535	23.6	39.3	224	113	31.1	63.0	43.6	17.3	5.11	47.6	1984
1985	1.66	1.02	0.893	28.1	215	32.9	6.02	3.30	8.79	26.2	6.97	2.27	38.1	1985
1986	1.34	1.12	0.490	16.4	136	102	88.6	43.6	10.7	8.60	3.89	2.63	38.8	1986
MEAN	1.39	0.838	0.634	33.3	105	60.9	58.9	35.9	36.9	31.7	12.9	3.38	31.8	MEAN

LOCATION - LAT 58 18 40 N DRAINAGE AREA, 8 880 km^2
LONG 113 04 05 W NATURAL FLOW

BIRCH RIVER BELOW ALICE CREEK - STATION NO. 07KE001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	---	---	1967
1968	---	227 ON MAY 9	0.680B ON JAN 25	1 030 000	1968
1969	334 AT 15:51 MST ON APR 30	331 ON APR 30	0.568B ON MAR 29	880 000	1969
1970	---	89.2 ON MAY 3	0.328B ON MAR 9	407 000	1970
1971	115 AT 12:00 MST ON APR 25	113 ON APR 25	0.162B ON APR 5 *	527 000	1971
1972	357 AT 22:00 MST ON MAY 13	357 ON MAY 13	0.624B ON APR 12	800 000	1972
1973	295 AT 11:00 MST ON AUG 7	294 ON AUG 6	0.478B ON MAR 28	1 010 000	1973
1974	362 AT 21:49 MST ON MAY 2	360 ON MAY 2	0.881B ON APR 3	1 780 000	1974
1975	---	326 A ON SEP 9	0.836B ON MAR 17	2 130 000	1975
1976	---	237 B ON APR 19	1.22 B ON MAR 30	896 000	1976
1977	85.8 AT 06:36 MST ON JUL 23	85.5 ON JUL 23	0.580B ON MAR 24	683 000	1977
1978	188 AT 03:35 MST ON OCT 8	188 ON OCT 8	0.287B ON MAR 30	1 030 000	1978
1979	233 AT 04:55 MST ON MAY 18	232 ON MAY 18	0.705B ON APR 8	901 000	1979
1980	101 AT 05:35 MST ON AUG 12	100 ON AUG 12	0.400B ON MAR 11	470 000	1980
1981	---	195 E ON MAY 1	0.320B ON FEB 12	331 000	1981
1982	183 AT 10:50 MST ON MAY 5	181 ON MAY 5	0.171B ON APR 8	496 000	1982
1983	188 AT 00:00 MST ON APR 29	188 ON APR 29	0.340B ON APR 10	785 000	1983
1984	404 AT 14:45 MST ON JUN 3 *	384 ON JUN 3 *	0.465B ON MAR 6	1 800 000	1984
1985	384 AT 10:24 MST ON MAY 6	379 ON MAY 10	0.800B ON FEB 21	887 000	1985
1986	207 AT 22:02 MST ON MAY 26	205 ON MAY 26	0.384B ON MAR 26	1 130 000	1986
	A - MANUAL GAUGE (SEE REFERENCE INDEX)	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD	1 000 000	MEAN

BLACKFOOT CREEK NEAR THE SASKATCHEWAN BOUNDARY - STATION NO 05FE005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	0	0.737	0.059	0.034	0.007	0.003	0.005	0.017	---	---	0.105	1980
1981	---	---	0.135	0.343	0.012	0.005	0	0	0	0	---	---	0.061	1981
1982	---	---	0	0.052	0.007	0.018	0.025	0.001	0	0.006	---	---	0.013	1982
1983	---	---	0	0.131	0.026	0.002	0.005	0	0	0.001	---	---	0.019	1983
MEAN	---	---	0.034	0.313	0.026	0.015	0.009	0.001	0.001	0.006	---	---	0.050	MEAN

LOCATION - LAT 52 57 30 N
LONG 110 00 35 W
DRAINAGE AREA 705 km²
NATURAL FLOW

BLACKFOOT CREEK NEAR THE SASKATCHEWAN BOUNDARY - STATION NO 05FE005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1980	5.808 AT 23 30 CST ON APR 14 *	4.62 B ON APR 14 *	0B ON MAR 1 *	2 240	1980
1981	---	1.05 B ON APR 7	0B ON MAR 1	1 300	1981
1982	---	0.3006 ON APR 17	0B ON MAR 1	285	1982
1983	---	0.8508 ON APR 7	0B ON MAR 1	404	1983
				1 060	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BLACKMUD CREEK NEAR ELLERSLIE - STATION NO 05DF003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1935	---	---	---	0.838	0.471	0.136	0.061	0.116	0.002	---	---	---	---	1935
1936	---	---	---	6.68	5.03	1.33	0.239	0.072	0.004	---	---	---	---	1936
1937	---	---	---	---	---	---	---	0.003	0.008	0.003	---	---	---	1937
1978	---	---	0.174	0.789	0.058	0.014	0.035	0.053	0.807	0.785	---	---	0.346	1978
1979	---	---	3.68	6.10	1.21	0.423	0.860	0.489	0.118	0.084	---	---	1.21	1979
1980	---	---	0.028	0.14	0.359	0.282	0.307	0.884	3.15	1.22	---	---	1.30	1980
1981	---	---	2.86	3.53	0.375	0.058	0.317	0.118	0.010	0.086	---	---	0.778	1981
1982	---	---	0	0.68	3.12	0.042	2.88	0.237	0.085	0.078	---	---	1.41	1982
1983	---	---	0.577	1.56	0.105	2.53	8.27	0.268	0.015	0.047	---	---	1.68	1983
1984	---	---	0.832	0.713	0.055	0.075	0.041	0	0.138	0.094	---	---	0.255	1984
1985	---	---	1.91	1.78	0.615	0.084	0.007	0.099	0.038	0.015	---	---	1.24	1985
1986	---	---	3.36	1.15	0.257	0.025	0.286	0.010	0.108	0.078	---	---	0.843	1986
MEAN	---	---	1.32	3.00	1.06	0.453	1.19	0.203	0.381	0.248	---	---	0.885	MEAN

LOCATION - LAT 53 24 50 N
LONG 113 30 56 W
DRAINAGE AREA 843 km²
NATURAL FLOW

BLACKMUD CREEK NEAR ELLERSLIE - STATION NO 05DF003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1935	---	3.14 ON APR 21	0 ON APR 1 *	---	1935
1936	---	16.0 ON APR 15	0 ON APR 1	---	1936
1937	---	---	0 ON AUG 14	---	1937
1978	2.17 AT 08 50 MST ON APR 8	1.78 ON SEP 18	0 B ON MAR 1	7 310	1978
1979	8.038 AT 11 10 MST ON MAR 21	7.308 ON MAR 21	0 B ON MAR 1	25 500	1979
1980	7.98 AT 08 25 MST ON AUG 28	6.98 ON APR 16	0 B ON MAR 1	27 400	1980
1981	---	5.308 ON MAR 26	0.002 ON SEP 19	15 500	1981
1982	14.9 AT 15 40 MST ON APR 27	14.1 B ON APR 27	0 B ON MAR 1	29 900	1982
1983	18.0 AT 04 35 MST ON JUL 7 *	16.6 ON JUL 7	0 B ON MAR 1	35 400	1983
1984	---	3.708 ON MAR 27	0 B ON MAR 1	5 400	1984
1985	17.5 AT 19 10 MST ON APR 6	17.2 ON APR 6 *	0 B ON MAR 1	26 200	1985
1986	8.288 AT 11 00 MST ON MAR 20	6.898 ON MAR 20	0 ON AUG 22	13 800	1986
				20 800	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BLINDMAN RIVER NEAR BLACKFALDS - STATION NO. 05CC001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	---	---	---	---	---	---	---	---	1915
1916	---	---	---	---	6.42	11.2	22.1	13.6	18.0	8.43	4.85	1.84	---	1916
1917	1.84	1.33	1.17	27.7	24.2	7.12	3.77	1.83	1.87	2.42	1.94	1.24	5.32	1917
1918	0.886	0.827	1.51	9.85	3.16	3.44	1.30	0.814	0.780	0.826	0.505	0.453	2.03	1918
1919	0.466	0.404	0.907	5.91	5.27	2.70	0.846	1.07	2.17	0.954	0.788	0.292	1.90	1919
1920	0.187	0.097	0.218	21.9	59.3	10.4	1.77	0.598	0.887	0.895	0.598	0.277	8.14	1920
1921	0.270	0.354	0.411	12.9	3.17	2.78	1.30	0.694	0.309	0.431	0.257	0.076	1.92	1921
1922	0.082	0.039	0.119	3.31	1.59	0.646	0.581	0.734	0.438	0.471	0.220	---	---	1922
1923	---	---	---	3.32	0.550	---	---	---	---	---	---	---	---	1923
1962	---	---	---	7.81	0.686	1.82	0.447	1.04	1.28	0.448	---	---	---	1962
1963	---	---	4.21	12.8	3.84	1.12	3.81	0.475	0.171	0.128	---	---	---	1963
1964	---	---	0.385	1.81	5.54	2.08	0.890	0.352	4.28	2.43	---	---	---	1964
1965	---	---	0.257	42.2	11.5	19.5	16.2	1.36	1.80	1.19	---	---	---	1965
1966	---	---	1.92	16.8	2.80	1.45	1.09	0.831	0.719	0.748	---	---	---	1966
1967	---	---	0.083	6.59	3.84	4.75	0.855	0.231	0.084	0.090	---	---	---	1967
1968	---	---	1.04	1.15	0.452	0.803	1.44	0.785	0.385	0.882	---	---	---	1968
1969	---	---	0.181	14.0	1.70	0.345	3.23	0.822	1.85	1.59	0.541	0.480	---	1969
1970	0.305	0.187	0.238	15.5	2.26	2.24	3.88	0.848	0.285	0.582	0.554	0.232	2.25	1970
1971	0.203	0.211	0.230	27.1	3.14	3.82	8.25	0.441	0.252	0.378	0.250	0.189	3.89	1971
1972	0.122	0.058	0.188	11.7	3.88	3.74	1.87	0.698	0.299	0.582	0.444	0.204	1.85	1972
1973	0.265	0.188	1.96	15.4	4.07	3.50	9.04	7.81	1.85	1.02	0.858	0.489	3.83	1973
1974	0.369	0.347	0.387	40.5	11.6	8.19	8.48	0.867	0.622	0.825	0.475	0.254	5.83	1974
1975	0.285	0.287	0.301	8.11	5.01	1.37	0.988	0.209	0.218	0.188	0.238	0.220	1.53	1975
1976	0.144	0.174	0.249	4.82	0.884	0.478	0.233	1.24	0.250	0.380	0.282	0.234	0.785	1976
1977	0.208	0.211	0.231	3.42	8.21	2.49	0.089	0.118	0.805	0.314	0.200	0.203	1.38	1977
1978	0.176	0.192	3.88	5.87	2.43	2.83	0.230	0.188	1.26	0.785	0.878	0.471	1.84	1978
1979	0.127	0.071	3.17	4.61	2.44	0.887	0.611	0.043	0.034	0.027	0.200	0.287	1.03	1979
1980	0.108	0.084	0.109	10.8	1.06	11.1	6.70	4.54	5.41	1.09	1.25	0.575	3.55	1980
1981	0.359	0.358	7.89	2.25	6.07	2.89	10.7	12.7	0.518	0.814	0.884	0.359	3.88	1981
1982	0.238	0.497	0.530	20.4	4.28	1.54	34.8	3.77	2.75	2.92	0.980	0.443	6.14	1982
1983	0.325	0.355	2.22	14.1	3.17	1.58	5.44	0.777	0.477	0.575	0.812	0.487	2.51	1983
1984	0.272	0.342	1.57	3.87	3.84	2.98	0.183	0.097	1.48	0.998	0.812	0.286	1.38	1984
1985	0.201	0.221	1.19	21.6	2.76	0.989	0.258	0.508	2.02	1.28	0.457	0.355	2.85	1985
1986	0.258	0.228	8.05	2.21	14.1	1.04	16.0	2.07	0.950	2.81	0.821	0.410	4.14	1986
MEAN	0.329	0.312	1.68	12.7	6.45	3.73	6.15	1.83	1.68	1.15	0.780	0.430	3.10	MEAN

LOCATION - LAT 52 21 14 N
LONG 113 47 35 W

DRAINAGE AREA 1 780 km²
REGULATED SINCE 1976

BLINDMAN RIVER NEAR BLACKFALDS - STATION NO. 05CC001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1915	72.5 ON JUN 27	---	---	---	1915
1916	---	60.6 ON JUL 5	---	---	1916
1917	---	81.2 ON APR 11	0.5588 ON DEC 27	199 000	1917
1918	---	16.8 ON APR 11	0.2635 ON NOV 22	84 000	1918
1919	---	15.0 ON MAY 10	0.1138 ON DEC 16	59 800	1919
1920	---	310 ON MAY 9 *	0.0578 ON JAN 24	358 000	1920
1921	---	40.6 ON APR 17	0.0148 ON DEC 16	80 800	1921
1922	---	13.38 ON APR 28	0.0148 ON FEB 17	---	1922
1923	---	---	---	---	1923
1962	---	28.28 ON APR 6	---	---	1962
1963	---	30.0 ON APR 17	---	---	1963
1964	---	29.7 ON MAY 6	---	---	1964
1965	---	103 ON APR 26	---	---	1965
1966	---	99.4 ON APR 3	---	---	1966
1967	---	23.28 ON APR 27	0 ON SEP 23 *	---	1967
1968	---	16.5 ON JUL 26	0 ON JUL 18	---	1968
1969	---	94.3 ON APR 9	---	---	1969
1970	---	45.0 ON APR 7	0.1708 ON FEB 18	71 000	1970
1971	---	77.9 ON APR 22	0.136 ON AUG 26	118 000	1971
1972	---	43.38 ON APR 6	0.0572 ON FEB 5	61 700	1972
1973	---	83.2 ON JUL 3	0.1428 ON FEB 2	121 000	1973
1974	181 A ON APR 19	148 A ON APR 20	0.2248 ON DEC 18	178 000	1974
1975	39.48 AT 15 30 MST ON APR 22	36.58 ON APR 22	0.118 ON AUG 15	48 300	1975
1976	35.7 AT 11 30 MST ON APR 10	29.4 ON APR 10	0.081 ON JUL 21	34 200	1976
1977	35.1 AT 07 00 MST ON MAY 31	33.3 ON MAY 31	0.016 ON JUN 25	43 000	1977
1978	42.68 AT 07 00 MST ON MAR 29	30.58 ON MAR 30	0.034 ON AUG 7	48 500	1978
1979	---	15.06 ON APR 22	0.017 ON OCT 4	32 600	1979
1980	53.7 AT 07 00 MST ON JUL 2	48.3 ON JUN 6	0.040 ON MAY 21	112 000	1980
1981	140 AT 11 30 MST ON AUG 1	135 ON AUG 1	0.050 ON JUL 13	132 000	1981
1982	180 AT 01 46 MST ON JUL 7 *	169 ON JUL 7	0.1758 ON JAN 23	184 000	1982
1983	---	39.08 ON APR 3	0.2308 ON DEC 28	78 200	1983
1984	---	15.48 ON APR 2	0.002 ON SEP 5	43 700	1984
1985	---	51.78 ON APR 3	0.089 ON JUL 15	83 500	1985
1986	149 AT 05 45 MST ON JUL 20	135 ON JUL 20	0.1508 ON FEB 15	131 000	1986
				97 800	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BLINDMAN RIVER NEAR BLUFFTON - STATION NO 05CC008

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	0.046	14.0	5.65	11.7	4.78	0.285	0.891	0.349	---	---	4.76	1965
1966	---	---	0.772	3.06	1.31	0.586	0.438	0.844	0.197	0.158	---	---	0.891	1966
1967	---	---	0.021	2.39	2.12	2.13	0.149	0.025	0	0.003	---	---	0.847	1967
1968	---	---	0.886	0.507	0.067	0.011	0.226	0.177	0.045	0.082	---	---	0.223	1968
1969	---	---	0.026	2.89	0.865	0.086	3.46	0.850	1.16	1.12	---	---	1.30	1969
1970	---	---	0.034	4.90	1.25	0.719	1.11	0.134	0.032	0.123	---	---	1.03	1970
1971	---	---	0.031	11.0	1.18	2.14	3.40	0.043	0.011	0.026	---	---	2.20	1971
1972	---	---	0.111	4.25	1.56	2.37	0.761	0.176	0.049	0.154	---	---	1.16	1972
1973	---	---	0.276	6.80	2.24	3.12	4.83	3.44	0.333	0.361	---	---	2.86	1973
1974	---	---	0.073	16.9	5.12	2.17	3.12	0.095	0.085	0.103	---	---	3.30	1974
1975	---	---	0.014	2.80	2.42	0.407	0.171	0.012	0.014	0.040	---	---	0.705	1975
1976	---	---	0.031	1.74	0.084	0.230	0.089	1.06	0.203	0.075	---	---	0.437	1976
1977	---	---	0.048	1.55	5.37	0.683	0.064	0.276	0.822	0.260	---	---	1.28	1977
1978	---	---	1.12	1.84	2.27	1.24	0.332	0.071	1.02	0.306	---	---	1.03	1978
	---	---	1.23	2.10	1.25	0.540	0.299	0.053	0.028	0.047	---	---	0.691	1979
1980	---	---	0.030	4.70	1.34	11.5	2.79	4.21	4.21	0.612	---	---	3.63	1980
1981	---	---	2.23	0.757	3.76	1.19	9.35	1.77	0.081	0.185	---	---	2.43	1981
1982	---	---	0.070	7.38	2.25	0.426	20.8	0.454	0.476	0.755	---	---	4.11	1982
1983	---	---	0.593	4.73	0.889	0.471	1.43	0.046	0.013	0.060	---	---	1.03	1983
1984	---	---	0.877	1.55	1.80	1.10	0.035	0.009	0.815	0.725	---	---	0.878	1984
1985	---	---	0.334	8.84	0.694	0.206	0.037	0.083	0.582	0.487	---	---	1.47	1985
1986	---	---	1.49	0.874	5.38	0.244	8.82	0.513	0.331	1.00	---	---	2.44	1986
MEAN	---	---	0.480	4.76	2.37	1.88	3.01	0.853	0.523	0.332	---	---	1.76	MEAN

LOCATION - LAT 52 45 22 N DRAINAGE AREA 352 km²
LONG 114 17 03 W NATURAL FLOW

BLINDMAN RIVER NEAR BLUFFTON - STATION NO 05CC008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1965	85.8A AT 11 00 MST ON JUN 1	58.2 A ON JUN 1	0.0288 ON MAR 1	101 000	1965
1966	---	13.5 B ON APR 2	0.028 ON SEP 30	18 900	1966
1967	---	9.400 ON APR 26	0 ON AUG 23 *	17 900	1967
1968	---	2.060 ON MAR 5	0 ON JUN 15	4 710	1968
1969	---	33.1 ON JUL 7	0.0068 ON MAR 1	27 400	1969
1970	---	14.1 ON APR 7	0.0118 ON MAR 1	21 700	1970
1971	---	55.2 ON APR 21	0.003 ON AUG 23	46 500	1971
1972	---	23.1 ON JUN 26	0.006 ON MAR 1	24 600	1972
1973	---	61.0 ON JUL 2	0.0578 ON MAR 1	56 300	1973
1974	---	87.6 ON APR 18	0.024 ON SEP 24	89 800	1974
1975	---	13.8 B ON APR 30	0.007 ON AUG 18	14 900	1975
1976	---	11.6 B ON APR 6	0.001 ON JUL 30	8 250	1976
1977	---	23.9 ON MAY 30	0.001 ON JUL 28	27 400	1977
1978	---	15.9 ON MAY 31	0.0018 ON MAR 1	21 900	1978
1979	---	5.60 ON APR 21	0 ON SEP 3	14 900	1979
1980	---	54.1 ON JUN 4	0.020 ON MAY 22	75 900	1980
1981	---	126 ON JUL 30	0.035 ON SEP 17	5 500	1981
1982	---	107 ON JUL 5 *	0.0388 ON MAR 1	84 900	1982
1983	---	13.6 ON APR 6	0 ON SEP 4	21 900	1983
1984	---	7.988 ON MAR 30	0.002 ON AUG 23	18 800	1984
1985	---	19.3 ON APR 11	0.001 ON JUL 31	31 100	1985
1986	213 AT 11 00 MST ON JUL 15 *	126 ON JUL 15	0.035 ON SEP 30	51 800	1986
				37 100	MEAN

A - MANUAL GAUGE B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
(SEE REFERENCE INDEX)

BLOOD INDIAN CREEK AT HOGARTH'S RANCH - STATION NO 05CK003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1986	---	---	0	0.648	0.023	0	---	---	---	---	---	---	---	1986
MEAN	---	---	0	0.648	0.023	0	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 51 02 10 N DRAINAGE AREA 584 km²
LONG 111 14 10 W NATURAL FLOW

BLOOD INDIAN CREEK AT HOGARTH'S RANCH - STATION NO 05CK003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1986	---	7.086 ON APR 13 *	0 ON MAR 1 *	---	1986
				---	MEAN

E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BLOOD INDIAN CREEK NEAR CABIN LAKE - STATION NO 05CK007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1983	---	---	---	---	---	0	0	0	0	0.047	---	---	---	1983
1984	---	---	0.001	0.001	0	0	0	0	0	0	---	---	0	1984
1985	---	---	0	0.783	0.046	0.003	0	0	0	0	---	---	0.102	1985
1986	---	---	0	---	0	0	0	0	0.006	0.046	---	---	0.007	1986
MEAN	---	---	0	0.261	0.015	0.001	0	0	0.002	0.024	---	---	0.035	MEAN

LOCATION - LAT 51 05 44 N, LONG 111 14 19 W DRAINAGE AREA 320 km² NATURAL FLOW

MEAN	---	---	---	---	---	---	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 52 06 00 N, LONG 110 29 00 W DRAINAGE AREA 119 km² NATURAL FLOW

BLOOD INDIAN CREEK NEAR CABIN LAKE - STATION NO 05CK007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1983	0.343 AT 13 05 MST ON OCT 15 *	0.337 ON OCT 15	0A ON MAY 10 *	---	1983
1984	---	0.0109 ON MAR 30	0 ON MAR 1	4.32	1984
1985	---	3.10 B ON APR 4 *	0B ON MAR 1	2.180	1985
1986	0.195 AT 01 39 MST ON OCT 7	0.175 ON OCT 7	0 ON MAR 1	182	1986
MEAN				772	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BLOOD INDIAN CREEK NEAR THE MOUTH - STATION NO 05CK001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	---	0.055	0.026	0.026	0.026	---	---	---	1911
1912	---	---	---	---	---	---	0.062	0.013	0.023	0.014	---	---	---	1912
1964	---	---	0.014	0.011	0.012	0.008	0.007	0.008	0.017	0.008	---	---	0.010	1964
1985	---	---	0.005	4.30	0.012	0.008	0.007	0.006	0.008	0.008	---	---	0.534	1985
1986	---	---	0.951	0.404	0.008	0.008	0.006	0.006	0.006	0.006	---	---	0.175	1986
1987	---	---	0.184	1.24	1.74	0.004	0.004	0.006	0.006	0.006	---	---	0.388	1987
1988	---	---	0.007	0.013	0.012	0.008	---	---	0.012	0.012	---	---	---	1988
1989	---	---	0.007	0.385	0.032	0.028	0.024	0.024	0.027	0.027	---	---	0.088	1989
1970	---	---	0.018	0.881	0.018	0.018	0.017	0.013	0.006	0.007	---	---	0.129	1970
1971	---	---	0.013	4.70	0.307	0.054	0.018	0.017	0.015	0.015	---	---	0.839	1971
1972	---	---	0.015	0.014	0.012	0.010	0.009	0.006	0.005	0.006	---	---	0.010	1972
1973	---	---	0.021	0.022	0.024	0.274	0.020	0.014	0.018	0.020	---	---	0.051	1973
1974	---	---	0.022	2.57	0.370	0.025	0.088	0.065	0.013	0.008	---	---	0.372	1974
1975	---	---	0.018	0.018	0.014	0.018	0.014	0.015	0.006	0.002	---	---	0.013	1975
1977	---	---	0.012	0.005	0.004	0.005	0.005	0.007	0.004	0.002	---	---	0.005	1977
1978	---	---	0.008	0.008	0.003	0.002	0.002	0.002	0.002	0.004	---	---	0.004	1978
1979	---	---	0.030	0.009	0.008	0.005	0.002	0.001	0.003	0.005	---	---	0.006	1979
1980	---	---	0.038	0.010	0.004	0.003	0.002	0.003	0.003	0.003	---	---	0.006	1980
1981	---	---	0.004	0.005	0.005	0.002	0.002	0.002	0.002	0.004	---	---	0.003	1981
1982	---	---	0.007	0.004	0.004	0.003	0.003	0.003	0.003	0.002	---	---	0.004	1982
1983	---	---	0.004	0.004	0.003	0.002	0.002	0.002	0.002	0.002	---	---	0.003	1983
1984	---	---	0.005	0.005	0.004	0.003	0.002	0.002	0.004	0.007	---	---	0.004	1984
1985	---	---	0.045	0.670	0.005	0.004	0.002	0.002	0.004	0.005	---	---	0.080	1985
1986	---	---	0.007	0.007	0.005	0.005	0.004	0.005	0.005	0.011	---	---	0.007	1986
MEAN	---	---	0.055	0.697	0.114	0.023	0.015	0.010	0.010	0.008	---	---	0.120	MEAN

LOCATION - LAT 60 57 26 N, LONG 111 03 30 W DRAINAGE AREA 695 km² REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1977

BLOOD INDIAN CREEK NEAR THE MOUTH - STATION NO. 05CK001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	---	---	1911
1912	---	---	---	---	1912
1984	0.028 AT 03 00 MST ON SEP 2	0.025 ON SEP 2	0.005 ON JUL 8	221	1984
1985	34.5 AT 21 00 MST ON APR 10 *	24.9 ON APR 10	0 B ON MAR 1 *	11 300	1985
1986	19.5 B AT 12 00 MST ON MAR 31	13.6 B ON MAR 31	0 B ON MAR 4	3 710	1986
1987	7.89 AT 03 30 MST ON MAY 2	5.38 ON MAY 2	0.003 ON JUN 5	8 420	1987
1988	---	0.016 ON SEP 15	---	---	1988
1989	---	1.84 ON APR 13	0 B ON MAR 1	1 430	1989
1970	11.7 AT 15 00 MST ON APR 7	10.0 ON APR 7	0.003 ON AUG 30	2 740	1970
1971	32.0 AT 11 00 MST ON APR 16	27.2 ON APR 16 *	0.0048 ON MAR 1	13 400	1971
1972	0.054 AT 20 55 MST ON MAR 22	0.026 ON MAR 22	0.002 ON AUG 23	212	1972
1973	3.84 AT 13 40 MST ON JUN 18	2.58 ON JUN 18	0.0048 ON MAR 1	1 080	1973
1974	26.1 AT 21 20 MST ON APR 18	18.4 ON APR 18	0.005 ON OCT 4	7 880	1974
1976	---	0.082E ON APR 11	0 ON OCT 23	275	1976
1977	---	0.0188 ON MAR 1	0.001E ON OCT 31	117	1977
1978	---	0.0348 ON MAR 29	0.001 ON SEP 22	78.4	1978
1979	---	0.0958 ON MAR 11	0.001 ON JUL 31	183	1979
1980	---	0.1928 ON MAR 23	0 B ON MAR 1	177	1980
1981	0.011 AT 02 00 MST ON JUL 29	0.006 ON OCT 28	0.001 ON JUN 19	88.3	1981
1982	---	0.0418 ON MAR 12	0.002 ON JUL 15	76.1	1982
1983	0.086 AT 13 44 MST ON MAR 10	0.015 ON MAR 10	0.001 ON MAR 17	54.8	1983
1984	0.015 AT 20 08 MST ON MAR 21	0.011 ON MAR 27	0.0028 ON MAR 1	88.2	1984
1985	10.1 AT 03 47 MST ON APR 5	5.92 ON APR 5	0 B ON MAR 1	1 920	1985
1986	0.037 AT 15 22 MST ON SEP 25	0.026 ON SEP 25	0.004 ON MAR 3	156	1986
				2 550	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BOULTON CREEK NEAR MOUTH - STATION NO. 05BF011

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1936	---	---	---	---	---	0.803	0.231	0.080	0.053	0.022	---	---	---	1936
1937	---	---	---	---	0.588	1.51	0.879	0.209	0.088	0.070	0.057	---	---	1937
1938	---	---	---	---	---	2.35	0.882	0.288	0.206	0.204	---	---	---	1938
1939	---	---	---	---	---	1.03	---	---	---	---	---	---	---	1939
1940	---	---	---	---	---	0.735	---	---	---	---	---	---	---	1940
1941	---	---	---	---	---	0.515	---	---	---	---	---	---	---	1941
MEAN	---	---	---	---	0.588	1.18	0.591	0.195	0.118	0.099	0.057	---	---	MEAN

LOCATION - LAT 50 38 00 N, LONG 115 07 30 W
DRAINAGE AREA 28.2 km^2
NATURAL FLOW
DATA CONTRIBUTED BY - TRANSALTA UTILITIES CORPORATION

BOULTON CREEK NEAR MOUTH - STATION NO. 05BF011

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1936	---	---	---	---	1936
1937	---	---	---	---	1937
1938	---	2.80 ON JUN 17 *	---	---	1938
1939	---	---	---	---	1939
1940	---	---	---	---	1940
1941	---	---	---	---	1941
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

BOUNDARY CREEK AT HILLMER'S RANCH - STATION NO. 05AE007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1913	---	---	---	---	---	---	0.378	0.303	0.243	0.293	0.257	---	---	1913
1914	---	---	---	0.392	0.486	0.243	0.110	0.090	0.105	0.345	---	---	0.263	1914
1915	---	---	---	0.443	0.787	2.50	1.55	0.826	0.715	0.899	---	---	1.07	1915
1916	---	---	---	0.719	0.836	1.71	0.754	0.347	0.318	0.394	---	---	0.737	1916
1917	---	---	---	---	1.89	1.48	0.334	0.198	0.150	0.171	---	---	---	1917
1918	---	---	---	---	0.455	0.191	0.128	0.092	0.091	0.083	---	---	---	1918
1919	---	---	---	0.229	0.147	0.049	0.009	0	0	0.024	---	---	0.085	1919
MEAN	---	---	---	0.446	0.750	1.03	0.486	0.285	0.232	0.287	0.257	---	0.531	MEAN

LOCATION - LAT 49 03 00 N, LONG 113 26 40 W
DRAINAGE AREA 80.1 km^2
REGULATED

BOUNDARY CREEK AT HILLMER'S RANCH - STATION NO. 05AE007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1913	---	---	---	---	1913
1914	---	0.891 ON APR 1	0 ON APR 3 *	4 880	1914
1915	---	7.84 ON JUN 4 *	0.320 ON APR 28	19 800	1915
1916	---	2.27 ON JUN 11	0.201 ON SEP 25	13 600	1916
1917	---	2.86 ON MAY 31	---	---	1917
1918	---	0.623 ON MAY 18	---	---	1918
1919	---	0.623 ON MAY 9	0 ON JUL 23	1 200	1919
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		9 820	MEAN

BOUNDARY CREEK NEAR INTERNATIONAL BOUNDARY - STATION NO. 05AD030

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1948	0.555	0.201	0.155	1.13	5.86	9.52	2.83	1.31	0.714	3.19	1.32	0.883	2.34	1948
1949	0.237	0.227	0.260	1.31	5.52	5.34	2.45	0.994	0.779	0.832	1.35	1.15	1.86	1949
1950	0.406	0.402	0.420	0.861	3.55	9.39	6.88	1.72	0.866	2.29	1.82	1.17	2.44	1950
1951	0.680	0.836	0.400	1.75	6.87	6.92	5.74	1.80	2.81	2.82	0.856	0.416	2.83	1951
1952	0.244	0.272	0.171	2.46	6.25	5.14	2.62	1.38	0.624	0.353	0.226	0.215	1.86	1952
1953	0.719	0.583	0.337	1.15	5.42	10.6	5.96	1.67	0.783	0.374	0.839	0.535	2.41	1953
1954	0.313	0.364	0.313	0.762	6.50	8.46	7.17	2.22	1.59	2.03	1.29	0.725	2.86	1954
1955	0.459	0.289	0.259	0.384	2.73	9.27	4.87	1.30	0.800	2.07	1.26	0.730	2.01	1955
1956	0.450	0.289	0.319	1.22	5.77	8.81	4.16	1.45	0.761	1.16	0.849	0.528	2.20	1956
1957	0.307	0.303	0.386	0.784	5.87	6.89	2.02	0.944	0.588	---	---	---	---	1957
1958	---	---	---	---	---	5.77	1.95	1.01	0.796	0.897	0.862	0.588	---	1958
1959	---	---	---	---	---	10.6	4.49	1.36	2.42	2.56	1.07	---	---	1959
1960	---	---	---	---	---	7.59	3.21	1.14	0.747	0.460	0.571	---	---	1960
1961	---	---	---	---	---	9.27	2.39	0.962	0.780	1.58	0.892	0.487	---	1961
1962	---	---	---	---	---	5.84	2.46	1.16	0.752	1.10	1.15	---	---	1962
1963	---	---	---	---	---	7.74	3.22	0.984	0.888	0.484	0.529	0.374	---	1963
MEAN	0.435	0.374	0.302	1.16	5.01	8.06	3.88	1.33	0.991	1.47	0.952	0.623	2.25	MEAN

LOCATION - LAT 48 59 50 N, LONG 113 54 20 W. DRAINAGE AREA 53.9 km^2. NATURAL FLOW. INTERNATIONAL GAUGING STATION

BOUNDARY CREEK NEAR INTERNATIONAL BOUNDARY - STATION NO. 05AD030

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1948	14.3 AT 19 30 MST ON MAY 22	12.9 ON MAY 26	0.1138 ON MAR 23 *	74 000	1948
1949	11.2 AT 03 00 MST ON MAY 28	10.4 ON MAY 28	0.1568 ON FEB 19	58 700	1949
1950	21.9 ON JUN 22	17.0 ON JUN 22	0.2278 ON JAN 14	76 800	1950
1951	18.0 AT 08 30 MST ON JUN 15	13.6 ON JUN 15	0.2558 ON DEC 30	83 000	1951
1952	10.4 AT 01 00 MST ON OCT 1	9.85 ON MAY 20	0.1538 ON MAR 11	52 800	1952
1953	25.6 AT 05 00 MST ON JUN 4	20.9 ON JUN 4 *	0.1428 ON JAN 7	76 200	1953
1954	15.7 AT 08 00 MST ON MAY 19	14.4 ON MAY 19	0.1708 ON JAN 22	83 800	1954
1955	15.3 AT 02 00 MST ON JUN 23	14.2 ON JUN 23	0.1708 ON MAR 23	83 800	1955
1956	16.8 AT 12 30 MST ON MAY 21	15.3 ON MAY 21	0.1708 ON FEB 17	69 500	1956
1957	13.4 AT 05 00 MST ON MAY 14	12.8 ON MAY 14	0.1888 ON FEB 18	---	1957
1958	12.2 AT 01 00 MST ON MAY 24	11.6 ON MAY 24	---	---	1958
1959	17.7 AT 02 00 MST ON JUN 6	15.4 ON JUN 6	---	---	1959
1960	13.8 AT 04 00 MST ON JUN 3	13.3 ON JUN 3	---	---	1960
1961	14.8 AT 08 30 MST ON JUN 5	13.7 ON MAY 27	---	---	1961
1962	9.91 AT 23 00 MST ON JUN 17	9.32 ON JUN 17	---	---	1962
1963	17.5 AT 07 00 MST ON JUN 10	15.1 ON JUN 10	---	---	1963
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		70 900	MEAN

BOUNTIFUL COULEE INFLOW NEAR CRANFORD - STATION NO. 05AG026

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	---	---	---	---	---	0.259	0.192	0.145	---	---	---	1980
1981	---	---	---	---	0.036	0.280	0.327	0.295	0.364	0.158	---	---	0.241	1981
1982	---	---	---	---	0.184	0.448	0.486	0.540	0.486	0.075	---	---	0.359	1982
1983	---	---	---	---	0.086	0.378	0.421	0.435	0.355	0.063	---	---	0.289	1983
1984	---	---	---	---	0.201	0.336	0.279	0.201	0.186	0.024	---	---	0.204	1984
1985	---	---	---	---	0.054	0.233	0.279	0.162	0.027	0.013	---	---	0.128	1985
1986	---	---	---	---	0.014	0.335	0.384	0.265	0.521	0.164	---	---	0.279	1986
MEAN	---	---	---	---	0.093	0.335	0.361	0.307	0.300	0.092	---	---	0.260	MEAN

LOCATION - LAT 49 47 08 N, LONG 112 16 55 W. REGULATED

BOUNTIFUL COULEE INFLOW NEAR CRANFORD - STATION NO 05AG026

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1980	---	---	0.004E ON OCT 29	---	1980
1981	---	0.545 ON JUN 26	0 ON OCT 24 *	3 830	1981
1982	---	0.851 ON JUN 30	0.002E ON OCT 31	5 710	1982
1983	---	0.817 ON AUG 12	0 ON MAY 6	4 590	1983
1984	---	0.814 ON JUN 10	0 ON OCT 13	3 240	1984
1985	---	---	---	---	1985
1986	---	0.448 ON JUL 17	0.001 ON MAY 2	2 030	1986
		0.889 ON SEP 27 *	0 ON MAY 28	4 440	1986
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		3 970	MEAN

BOUNTIFUL COULEE NEAR CRANFORD - STATION NO 05AG008

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	---	0.080	0.426	0.411	0.495	0.168	---	---	---	1965
1967	---	---	---	---	---	---	0.440	0.585	---	---	---	---	---	1967
1968	---	---	---	---	0.008	0.248	0.451	0.450	0.373	0.137	---	---	0.278	1968
1969	---	---	---	---	0.185	0.512	0.273	0.380	0.380	0.196	---	---	0.321	1969
1970	---	---	---	---	0.136	0.340	0.510	0.436	0.333	0.173	---	---	0.322	1970
1971	---	---	---	---	---	0.397	0.594	0.847	0.443	0.186	---	---	---	1971
1972	---	---	---	---	0.132	0.802	0.848	0.607	0.451	0.118	---	---	0.458	1972
1973	---	---	---	0.086	0.369	0.586	0.826	0.580	0.584	0.174	---	---	0.477	1973
1974	---	---	---	---	0.045	0.481	0.597	0.854	0.627	0.278	---	---	0.480	1974
1975	---	---	---	---	0.111	0.033	0.488	0.589	0.404	0.135	---	---	0.287	1975
1976	---	---	---	---	0.207	0.840	0.830	0.385	0.378	0.217	---	---	0.388	1976
1977	---	---	---	---	0.547	0.711	0.822	0.414	0.426	0.136	---	---	0.509	1977
1978	---	---	---	---	0.040	0.178	0.826	0.543	0.076	0.080	---	---	0.260	1978
1979	---	---	---	---	0.070	0.604	0.710	0.784	0.383	0.180	---	---	0.433	1979
1980	---	---	---	---	0.478	0.280	0.686	0.585	0.508	0.263	---	---	0.466	1980
1981	---	---	---	---	0.112	0.578	0.835	0.585	0.804	0.239	---	---	0.457	1981
1982	---	---	---	---	0.324	0.547	0.740	0.843	0.846	0.263	---	---	0.562	1982
1983	---	---	---	---	0.110	0.588	0.893	0.739	0.788	0.289	---	---	0.530	1983
1984	---	---	---	---	0.388	0.891	0.789	0.546	0.431	0.181	---	---	0.534	1984
MEAN	---	---	---	0.086	0.204	0.484	0.592	0.589	0.456	0.190	---	---	0.422	MEAN

LOCATION - LAT 49 47 13 N
LONG 112 20 15 W
DRAINAGE AREA 780 km^2
REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1978

BOUNTIFUL COULEE NEAR CRANFORD - STATION NO 05AG008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	---	---	---	1965
1967	---	---	---	---	1967
1968	---	---	---	---	1968
1969	---	1.01 ON JUL 21	0 ON MAY 1 *	4 410	1969
		0.889 ON JUN 7	0 ON MAY 4	5 110	
1970	---	---	---	---	1970
1971	---	0.889 ON JUN 14	0 ON MAY 3	5 110	1971
1972	---	0.934 ON JUL 16	---	---	1972
1973	---	1.37 ON JUN 11	0 ON MAY 17	7 290	1973
1974	---	1.32 ON JUN 15	0.003 ON OCT 31	7 590	1974
		8.51 ON AUG 2 *	0 ON MAY 8	7 310	
1975	---	0.883 ON AUG 17	0 ON MAY 2	4 550	1975
1976	---	1.48 ON AUG 6	0.006 ON MAY 4	5 180	1976
1977	---	1.12 ON JUL 3	0.001 ON OCT 28	5 080	1977
1978	---	0.986 ON JUL 4	0 ON MAY 21	4 140	1978
1979	---	3.39 ON AUG 24	0.006 ON OCT 30	5 890	1979
1980	---	2.13 ON MAY 24	0 E ON OCT 23	7 440	1980
1981	---	1.14 ON JUN 13	0.008E ON OCT 22	7 280	1981
1982	---	1.79 ON SEP 27	0.006 ON OCT 24	8 940	1982
1983	---	1.19 ON AUG 7	0 ON MAY 7	8 420	1983
1984	---	1.67 ON JUN 23	0 ON MAY 3	8 500	1984
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		6 700	MEAN

BOW GLACIER OUTFLOW - STATION NO 05BA009

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	---	---	---	2.27	---	---	---	---	---	1973
1975	---	---	---	---	---	---	3.59	---	---	---	---	---	---	1975
MEAN	---	---	---	---	---	---	3.59	2.27	---	---	---	---	---	MEAN

LOCATION - LAT 51 40 04 N
LONG 116 39 00 W
DRAINAGE AREA 24.9 km^2
NATURAL FLOW

DATA CONTRIBUTED BY - UNIVERSITY OF ILLINOIS

BOW GLACIER OUTFLOW - STATION NO. 05BA009

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	---	---	---	1973
1975	---	5.95 ON JUL 12 *	---	---	1975
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

BOW RIVER ABOVE BATH CREEK - STATION NO. 05BA005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1962	---	---	---	---	---	15.5	23.8	18.7	8.18	4.34	---	---	---	1962
1963	---	---	---	---	12.0	26.2	25.1	18.8	14.0	7.77	---	---	---	1963
MEAN	---	---	---	---	12.0	21.4	24.5	18.8	10.1	6.06	---	---	---	MEAN

LOCATION - LAT 51 26 30 N
LONG 116 12 38 W
DRAINAGE AREA, 348 km^2
NATURAL FLOW

BOW RIVER ABOVE BATH CREEK - STATION NO. 05BA005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1962	---	38.2 ON JUN 26	---	---	1962
1963	---	43.3 ON JUL 8 *	---	---	1963
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

BOW RIVER ABOVE HECTOR LAKE - STATION NO. 05BA010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	---	---	15.2	8.84	---	---	---	---	---	1974
1975	---	---	---	---	---	---	12.8	6.59	---	---	---	---	---	1975
MEAN	---	---	---	---	---	---	14.0	7.72	---	---	---	---	---	MEAN

LOCATION - LAT 51 34 38 W
LONG 116 19 20 W
DRAINAGE AREA, 192 km^2
NATURAL FLOW

DATA CONTRIBUTED BY -
UNIVERSITY OF ILLINOIS

BOW RIVER ABOVE HECTOR LAKE - STATION NO. 05BA010

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1974	---	---	---	---	1974
1975	---	18.4 ON JUL 14 *	---	---	1975
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

BOW RIVER AT BANFF - STATION NO. 05BB001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	176	184	70.1	44.7	23.6	---	---	---	1909
1910	---	---	---	---	87.5	151	134	78.7	35.6	34.1	---	---	---	1910
1911	9.82	9.26	8.56	10.4	35.1	177	126	72.7	42.6	19.2	11.7	10.8	44.5	1911
1912	8.23	7.55	6.34	8.34	42.0	97.0	101	99.9	52.3	28.8	16.5	12.2	40.1	1912
1913	9.10	7.83	7.24	11.7	39.5	159	101	85.7	55.6	26.6	17.1	11.3	44.6	1913
1914	9.82	8.83	8.07	11.3	52.3	139	138	73.7	42.1	34.5	16.5	10.2	45.6	1914
1915	8.13	7.84	7.53	15.9	45.0	91.6	124	101	44.4	24.6	16.2	12.6	41.9	1915
1916	10.0	9.59	7.87	9.85	27.5	139	153	76.2	50.5	24.6	15.2	10.9	44.6	1916
1917	8.85	7.46	6.49	7.10	49.3	106	123	86.9	36.0	29.2	14.1	9.50	38.6	1917
1918	8.79	7.09	6.72	9.80	40.6	161	97.7	87.4	42.5	26.9	13.8	10.4	41.1	1918
1919	8.49	7.24	5.50	8.59	58.4	105	83.3	75.1	38.6	16.5	10.9	9.36	35.8	1919
1920	8.37	7.38	6.26	7.63	21.8	85.4	183	81.6	39.6	27.1	14.0	10.4	41.3	1920
1921	9.51	8.11	7.84	8.38	50.2	124	101	84.4	26.6	22.4	16.8	11.9	37.8	1921
1922	9.59	8.53	7.62	8.00	49.3	134	90.6	75.1	46.8	27.2	14.0	9.28	40.2	1922
1923	8.79	8.33	8.84	10.5	42.2	159	102	89.0	45.1	24.1	12.9	9.62	41.8	1923
1924	9.80	9.89	8.17	7.20	85.6	88.9	95.6	72.1	42.1	20.1	13.1	9.90	37.0	1924
1925	8.98	8.03	6.82	15.0	88.5	143	106	73.4	44.3	25.8	15.8	11.4	46.7	1925
1926	8.24	7.85	7.09	15.8	40.8	73.2	95.8	82.0	46.5	23.6	14.0	8.78	34.2	1926
1927	7.73	7.21	7.41	8.85	26.4	181	139	89.5	49.8	33.6	17.4	12.7	47.0	1927
1928	8.87	7.76	8.18	10.7	110	167	155	84.9	36.5	18.1	10.8	7.66	51.1	1928
1929	8.36	8.45	8.29	8.45	30.6	125	72.8	66.6	38.2	17.8	10.3	7.94	32.9	1929
1930	8.90	7.08	7.11	15.7	85.0	153	123	78.2	44.7	19.4	11.2	7.91	44.3	1930
1931	7.16	8.46	8.04	7.84	52.6	112	91.7	80.2	42.7	19.3	12.4	9.40	35.8	1931
1932	7.99	12.0	8.60	11.5	80.4	177	104	80.5	44.9	20.3	11.8	9.08	45.6	1932
1933	7.80	7.71	7.84	10.9	43.1	185	133	89.6	39.6	22.6	17.0	9.62	44.6	1933
1934	7.40	6.57	7.31	28.9	115	118	86.5	80.3	35.1	24.6	15.8	9.36	42.9	1934
1935	12.7	8.82	7.70	9.02	60.1	142	136	78.1	39.7	19.1	10.3	7.49	42.7	1935
1936	8.26	8.09	8.38	10.9	74.1	102	72.1	53.3	30.2	16.7	11.0	8.96	33.1	1936
1937	8.82	8.42	8.94	8.87	37.8	90.9	85.5	54.2	37.2	22.7	19.5	10.2	32.0	1937
1938	8.94	7.38	7.78	8.18	53.4	155	100	48.1	47.5	23.6	11.2	8.63	40.2	1938
1939	7.87	6.36	6.92	10.1	85.4	78.4	105	82.8	36.1	24.5	17.5	10.9	36.2	1939
1940	8.11	7.36	7.38	10.0	73.8	112	90.9	58.8	47.7	27.0	14.2	10.3	38.0	1940
1941	7.85	7.05	7.54	12.1	37.2	80.0	74.7	53.3	30.3	21.5	13.7	10.8	30.6	1941
1942	9.56	7.40	6.80	9.26	47.3	86.4	115	73.3	39.5	23.6	13.2	11.1	38.0	1942
1943	10.7	8.01	8.28	15.7	30.8	78.2	142	83.3	29.8	21.3	13.1	9.78	36.2	1943
1944	8.28	7.77	6.56	8.72	48.5	107	88.9	88.6	42.3	24.7	14.9	10.3	34.8	1944
1945	8.38	7.89	7.85	7.54	29.7	87.7	82.4	53.3	32.4	21.2	13.9	10.0	30.3	1945
1946	9.18	8.89	8.44	10.8	71.1	121	87.5	58.3	48.0	24.0	14.4	11.1	39.5	1946
1947	8.68	9.03	8.40	13.7	73.3	128	100	53.7	41.6	35.2	18.9	12.5	42.2	1947
1948	8.95	9.47	9.42	11.3	82.7	158	88.2	70.3	36.5	19.2	12.7	9.48	44.8	1948
1949	7.88	7.19	8.27	9.38	62.4	87.7	53.4	47.3	30.7	18.9	13.7	8.20	28.0	1949
1950	7.87	8.20	8.91	8.86	21.7	155	125	51.2	36.5	20.5	14.8	12.2	40.0	1950
1951	9.27	7.00	8.12	10.7	71.9	107	149	88.8	38.9	26.9	15.4	11.2	43.9	1951
1952	8.75	8.98	7.69	14.0	86.6	117	105	87.6	32.0	22.4	11.5	9.18	39.5	1952
1953	8.58	7.53	7.81	8.28	35.6	126	119	84.3	38.4	25.3	17.1	11.7	39.5	1953
1954	8.82	9.05	8.81	9.17	45.9	130	184	96.2	80.1	26.4	16.1	11.3	50.9	1954
1955	9.70	8.18	8.38	8.19	20.3	128	122	80.3	35.3	20.2	13.9	11.3	37.3	1955
1956	8.71	7.08	7.52	11.1	75.0	149	97.3	54.6	27.2	17.2	11.3	8.26	38.7	1956
1957	8.77	7.52	8.77	8.41	80.5	101	70.2	46.8	29.7	21.4	13.7	11.1	34.8	1957
1958	9.83	8.87	8.80	7.87	88.0	121	95.3	60.3	33.8	22.6	12.8	10.0	40.0	1958
1959	9.88	9.47	8.26	9.08	41.7	143	118	59.5	49.2	27.2	17.0	13.8	42.3	1959
1960	9.03	8.02	8.85	11.4	27.8	102	121	57.0	35.5	22.4	15.4	11.8	36.1	1960
1961	9.12	8.95	8.84	8.72	89.9	177	83.0	67.6	31.2	25.7	14.3	11.4	43.1	1961
1962	8.20	7.75	8.10	13.3	38.3	114	104	88.4	35.5	22.2	16.2	10.2	37.4	1962
1963	8.32	8.47	8.33	11.4	44.8	132	109	67.5	45.9	28.0	16.5	11.5	41.0	1963
1964	10.5	8.60	7.93	8.98	25.5	155	129	58.1	37.5	34.7	18.3	13.4	42.4	1964
1965	12.0	12.2	8.86	10.9	34.3	154	134	83.4	39.1	30.8	20.3	12.3	46.2	1965
1966	10.8	9.14	9.36	11.2	78.1	142	141	73.0	41.6	28.9	16.5	11.6	47.8	1966
1967	9.67	8.75	8.78	8.92	34.2	208	139	74.1	46.0	24.3	13.7	8.39	48.8	1967
1968	8.99	8.24	8.71	8.30	34.5	127	110	58.8	37.9	23.7	14.4	10.4	37.6	1968
1969	9.16	8.20	7.85	13.0	89.7	134	91.7	59.1	34.8	22.7	14.2	9.42	39.6	1969
1970	8.05	8.73	7.83	7.22	27.0	110	74.5	49.1	24.9	15.3	9.27	9.77	29.4	1970
1971	7.45	7.80	6.41	8.30	60.0	137	91.7	70.9	33.8	20.0	14.2	8.87	39.0	1971
1972	9.45	7.87	8.97	8.34	51.0	210	127	81.4	35.2	24.4	15.7	11.2	49.6	1972
1973	9.48	8.49	8.02	9.03	47.0	119	99.4	58.0	31.2	21.3	14.3	11.8	36.6	1973
1974	9.38	9.74	7.11	10.5	26.6	168	132	67.9	36.3	20.5	13.0	10.4	42.9	1974
1975	7.91	7.88	7.33	7.58	22.2	83.8	102	58.9	35.1	21.5	15.6	12.0	32.0	1975
1976	9.54	7.75	7.68	10.8	66.8	97.1	143	87.7	71.7	29.3	14.6	11.1	47.5	1976
1977	8.75	7.88	7.82	11.0	41.5	105	85.8	67.5	38.8	19.8	12.4	9.80	33.1	1977
1978	8.17	7.56	8.11	9.15	34.2	126	113	58.2	45.8	27.2	16.4	12.8	39.1	1978
1979	9.88	8.87	8.98	7.37	33.1	105	87.8	52.1	31.8	18.8	10.4	9.89	31.8	1979
1980	7.81	7.45	6.00	14.8	103	120	71.9	44.9	34.5	27.5	14.0	12.0	38.8	1980
1981	10.7	8.80	8.80	10.4	75.5	98.0	164	90.1	41.8	22.8	14.6	10.4	44.9	1981
1982	8.86	10.6	8.83	8.04	29.6	136	104	83.1	48.3	25.8	14.6	11.6	39.3	1982
1983	10.6	9.05	7.26	9.70	40.4	98.9	94.6	63.6	32.0	18.5	15.0	7.92	34.1	1983
1984	8.80	8.84	8.75	9.04	18.8	108	92.9	68.0	42.9	22.7	13.9	9.50	33.9	1984
1985	8.33	8.24	7.16	10.4	55.9	87.7	75.3	47.4	38.1	22.2	13.3	10.2	32.2	1985
1986	8.39	7.11	8.47	9.47	80.4	188	108	86.4	36.1	24.5	15.3	11.5	45.1	1986
MEAN	8.91	8.10	7.61	10.4	51.7	127	109	67.3	39.8	23.8	14.4	10.4	39.8	MEAN

LOCATION - LAT 51 10 30 N DRAINAGE AREA, 2 210 km²
LONG 115 34 10 W NATURAL FLOW

BOW RIVER AT BANFF - STATION NO 05BB001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	314 ON JUL 7	---	---	1909
1910	---	230 ON JUN 12	---	---	1910
1911	---	284 ON JUN 14	5.75 ON FEB 27	1 400 000	1911
1912	---	174 ON AUG 25	5.80 ON MAR 14	1 270 000	1912
1913	---	232 ON JUN 11	6.128 ON MAR 18	1 410 000	1913
1914	---	214 ON JUN 18	7.16 ON NOV 17	1 440 000	1914
1915	---	236 ON JUN 27	6.84 ON JAN 27	1 320 000	1915
1916	---	309 ON JUN 20	6.978 ON MAR 2	1 410 000	1916
1917	---	174 ON JUN 17	6.068 ON FEB 23	1 220 000	1917
1918	---	345 ON JUN 15	6.038 ON FEB 20	1 300 000	1918
1919	---	185 ON JUN 22	4.968 ON FEB 28	1 130 000	1919
1920	---	248 ON JUL 3	5.698 ON APR 3	1 310 000	1920
1921	---	171 ON JUN 9	6.378 ON MAR 11	1 180 000	1921
1922	---	209 ON JUN 5	6.578 ON MAR 27	1 270 000	1922
1923	389 AT 12:00 MST ON JUN 14 *	377 ON JUN 14 *	6.43E ON DEC 20	1 320 000	1923
1924	174 AT 09:00 MST ON JUL 5	167 ON JUL 5	5.26 ON APR 20	1 170 000	1924
1925	---	212 ON MAY 23	5.448 ON DEC 31	1 470 000	1925
1926	---	130 ON JUL 7	5.526 ON APR 5	1 080 000	1926
1927	228 AT 08:55 MST ON JUN 27	221 ON JUN 27	6.488 ON FEB 17	1 480 000	1927
1928	---	289 ON MAY 28	6.098 ON DEC 28	1 820 000	1928
1929	233 AT 23:00 MST ON JUN 2	215 ON JUN 2	4.908 ON APR 8	1 040 000	1929
1930	277 AT 10:50 MST ON JUN 8	263 ON JUN 8	6.008 ON DEC 29	1 400 000	1930
1931	---	187 ON JUN 18	4.708 ON MAR 26	1 130 000	1931
1932	283 AT 08:00 MST ON JUN 3	278 ON JUN 3	3.628 ON JAN 5 *	1 440 000	1932
1933	328 AT 20:40 MST ON JUN 17	311 ON JUN 17	5.278 ON DEC 26	1 410 000	1933
1934	---	289 ON MAY 31	4.088 ON FEB 28	1 380 000	1934
1935	---	197 ON JUN 16	5.958 ON DEC 18	1 350 000	1935
1936	---	219 ON JUN 1	5.648 ON FEB 16	1 080 000	1936
1937	---	148 ON JUN 17	5.158 ON FEB 14	1 010 000	1937
1938	---	220 ON JUN 23	6.538 ON FEB 15	1 270 000	1938
1939	---	178 ON MAY 29	5.498 ON FEB 10	1 140 000	1939
1940	---	204 ON MAY 26	6.438 ON MAR 12	1 230 000	1940
1941	---	126 ON JUN 25	6.14 ON NOV 23	986 000	1941
1942	---	186 ON JUL 5	6.378 ON FEB 17	1 200 000	1942
1943	---	209 ON JUL 10	5.048 ON FEB 28	1 140 000	1943
1944	---	158 ON JUN 12	5.558 ON MAR 13	1 100 000	1944
1945	---	126 ON JUN 22	6.89 ON APR 11	956 000	1945
1946	221 AT 11:45 MST ON MAY 29	204 ON MAY 29	7.708 ON MAR 14	1 250 000	1946
1947	---	167 ON JUN 11	7.318 ON MAR 4	1 330 000	1947
1948	---	282 ON JUN 9	8.418 ON JAN 27	1 420 000	1948
1949	---	121 ON JUN 7	6.098 ON DEC 11	884 000	1949
1950	---	286 ON JUN 21	5.04 ON MAR 31	1 260 000	1950
1951	---	243 ON JUN 16	4.258 ON MAR 5	1 380 000	1951
1952	---	155 ON JUN 30	6.06 ON APR 1	1 250 000	1952
1953	281 AT 22:00 MST ON JUN 13	280 ON JUN 14	6.008 ON FEB 9	1 250 000	1953
1954	289 AT 13:15 MST ON JUL 8	286 ON JUL 8	6.438 ON MAR 28	1 610 000	1954
1955	251 AT 12:00 MST ON JUN 14	246 ON JUN 24	6.748 ON FEB 11	1 180 000	1955
1956	274 AT 23:00 MST ON JUN 5	257 ON JUN 5	6.098 ON DEC 6	1 250 000	1956
1957	157 AT 13:00 MST ON MAY 20	152 ON MAY 20	5.888 ON MAR 5	1 100 000	1957
1958	198 AT 09:00 MST ON MAY 26	191 ON MAY 26	6.148 ON MAR 1	1 260 000	1958
1959	216 AT 12:00 MST ON JUN 22	212 ON JUN 22	6.688 ON JAN 3	1 330 000	1959
1960	187 AT 06:00 MST ON JUL 1	182 ON JUL 1	7.258 ON FEB 27	1 140 000	1960
1961	271 AT 17:00 MST ON JUN 8	266 ON JUN 7	7.598 ON JAN 19	1 380 000	1961
1962	195 AT 21:00 MST ON JUN 26	184 ON JUN 26	6.448 ON FEB 5	1 180 000	1962
1963	186 AT 03:00 MST ON JUL 9	183 ON JUN 19	6.438 ON FEB 2	1 280 000	1963
1964	---	246 ON JUN 14	7.318 ON MAR 23	1 340 000	1964
1965	297 AT 14:00 MST ON JUN 19	289 ON JUN 19	7.878 ON MAR 18	1 480 000	1965
1966	235 AT 13:00 MST ON JUN 1	225 ON JUN 1	7.938 ON MAR 3	1 610 000	1966
1967	---	275 ON JUN 22	7.538 ON MAR 11	1 540 000	1967
1968	197 AT 15:00 MST ON JUN 27	191 ON JUN 27	7.63 ON APR 22	1 190 000	1968
1969	209 AT 08:40 MST ON JUN 6	203 ON JUN 6	7.508 ON JAN 31	1 280 000	1969
1970	163 AT 08:05 MST ON JUN 5	155 ON JUN 5	5.218 ON NOV 23	825 000	1970
1971	203 AT 08:30 MST ON JUN 7	198 ON JUN 7	5.418 ON MAR 22	1 230 000	1971
1972	320 AT 06:00 MST ON JUN 12	311 ON JUN 12	7.188 ON MAR 1	1 570 000	1972
1973	222 AT 22:00 MST ON JUN 24	215 ON JUN 24	6.718 ON JAN 4	1 150 000	1973
1974	320 AT 08:25 MST ON JUN 25	317 ON JUN 25	6.098 ON MAR 22	1 350 000	1974
1975	149 AT 11:00 MST ON JUL 14	144 ON JUL 14	5.688 ON MAR 8	1 010 000	1975
1976	197 AT 16:00 MST ON JUL 1	191 ON JUL 1	5.958 ON MAR 23	1 500 000	1976
1977	221 AT 06:00 MST ON JUN 9	207 ON JUN 9	5.838 ON NOV 21	1 040 000	1977
1978	197 AT 03:30 MST ON JUN 7	188 ON JUN 6	5.758 ON JAN 30	1 230 000	1978
1979	157 AT 09:30 MST ON JUN 13	150 ON JUN 13	5.408 ON FEB 9	1 000 000	1979
1980	197 AT 10:40 MST ON MAY 22	190 ON MAY 22	4.148 ON MAR 4	1 230 000	1980
1981	233 AT 11:05 MST ON MAY 27	227 ON MAY 27	7.248 ON FEB 10	1 420 000	1981
1982	197 AT 05:00 MST ON JUN 23	192 ON JUN 22	6.158 ON JAN 16	1 240 000	1982
1983	161 AT 06:35 MST ON MAY 31	155 ON MAY 31	5.83 ON DEC 2	1 070 000	1983
1984	221 ON JUN 30	220E ON JUN 30	6.818 ON MAR 14	1 070 000	1984
1985	189 AT 21:45 MST ON MAY 25	180 ON MAY 25	6.048 ON MAR 3	1 010 000	1985
1986	317 AT 16:15 MST ON JUN 2	313 ON JUN 2	5.558 ON FEB 18	1 420 000	1986
				1 280 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BOW RIVER AT CALGARY - STATION NO 05BH004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1897	---	---	---	---	---	---	---	---	---	---	---	---	---	1897
1902	---	---	---	---	---	---	---	---	---	---	---	---	---	1902
1911	---	25.9	24.3	36.8	75.8	324	288	209	126	88.6	45.6	21.9	---	1911
1912	31.4	28.7	29.2	44.5	87.2	232	305	231	137	86.8	58.8	27.9	110	1912
1913	31.7	31.9	33.8	47.1	80.7	327	217	193	134	74.7	55.3	50.8	108	1913
1914	28.9	26.8	29.3	42.5	105	289	273	134	82.9	78.5	50.1	31.5	98.1	1914
1915	34.7	34.0	39.6	45.5	126	296	410	235	117	75.9	49.5	36.0	126	1915
1916	31.6	36.4	44.2	57.5	84.4	416	437	237	192	96.1	66.1	47.6	147	1916
1917	40.7	34.6	25.7	31.2	157	342	286	183	102	76.3	48.5	35.1	113	1917
1918	36.9	24.8	29.4	46.8	86.9	285	196	145	100	71.0	44.0	33.8	92.7	1918
1919	36.7	30.6	24.7	36.7	115	187	154	186	85.3	52.4	38.6	26.8	80.6	1919
1920	23.5	25.3	22.9	37.0	83.7	176	390	194	84.7	61.2	41.3	29.0	95.4	1920
1921	30.9	28.3	26.4	38.6	117	284	210	129	86.4	48.1	38.4	31.6	86.1	1921
1922	29.2	26.1	23.1	34.9	85.6	261	176	143	88.9	48.9	36.2	26.2	81.0	1922
1923	24.7	23.6	18.9	29.3	79.6	472	288	170	105	62.5	42.3	33.0	111	1923
1924	24.6	28.6	30.5	38.2	123	204	221	186	97.9	55.4	39.0	28.4	90.1	1924
1925	35.9	28.3	31.4	52.6	152	271	191	154	105	81.4	58.4	44.1	102	1925
1926	28.6	32.5	34.9	51.3	73.4	121	150	96.1	170	101	59.9	42.2	80.3	1926
1927	37.6	30.4	32.6	57.1	75.3	356	293	201	182	106	63.4	42.3	122	1927
1928	31.3	38.5	67.3	54.6	177	395	325	147	87.9	55.8	39.6	26.6	122	1928
1929	22.6	26.2	32.7	42.7	83.6	335	145	113	89.4	27.4	30.4	25.7	79.5	1929
1930	21.9	18.6	32.6	32.8	89.6	267	226	129	86.8	46.1	34.5	32.6	86.6	1930
1931	31.1	31.8	39.6	43.6	52.2	198	158	110	85.1	43.3	33.2	28.2	71.1	1931
1932	28.1	27.8	28.8	39.0	110	431	183	139	89.6	51.8	37.6	29.2	100	1932
1933	30.4	28.7	32.5	47.5	104	297	236	131	90.9	52.0	44.9	30.5	94.0	1933
1934	32.3	33.0	31.0	69.1	195	220	138	101	89.5	45.2	37.2	31.2	83.6	1934
1935	23.9	30.3	30.0	41.4	87.4	245	243	141	75.3	47.8	34.5	35.0	84.8	1935
1936	33.4	37.8	22.3	30.7	108	196	125	95.0	59.0	35.4	30.6	33.3	87.2	1936
1937	30.7	23.3	33.3	29.8	45.7	168	159	111	70.9	51.0	47.1	25.2	86.5	1937
1938	28.8	26.8	26.1	31.1	118	313	225	99.2	81.2	50.3	35.5	25.4	88.5	1938
1939	26.1	31.3	28.9	34.6	84.9	178	187	114	77.0	51.8	42.8	36.0	74.8	1939
1940	27.8	28.6	28.1	32.8	119	189	134	95.3	94.8	52.7	33.8	31.1	70.7	1940
1941	27.1	26.1	43.0	41.9	43.6	138	107	85.5	88.6	48.6	32.9	29.1	58.4	1941
1942	20.6	30.1	28.3	40.2	96.4	204	212	137	90.9	53.3	43.9	53.4	85.5	1942
1943	46.9	40.3	46.3	81.6	78.0	148	245	114	84.7	52.1	49.0	44.4	84.5	1943
1944	42.5	38.0	43.4	63.4	53.3	188	104	111	74.4	49.9	48.1	43.8	69.8	1944
1945	44.4	35.2	35.4	48.9	64.9	213	172	99.5	70.0	54.8	48.1	46.4	77.9	1945
1946	47.4	44.2	38.3	58.0	126	230	156	106	97.9	62.1	49.8	51.9	89.2	1946
1947	46.8	43.9	45.8	63.1	153	280	189	104	87.9	81.3	58.3	52.8	101	1947
1948	49.3	51.4	47.0	64.4	207	330	173	153	82.5	56.2	47.5	45.5	109	1948
1949	48.8	40.0	40.8	53.3	87.2	133	99.3	88.4	58.5	52.1	33.6	35.1	64.4	1949
1950	33.1	25.5	28.7	30.4	46.2	209	171	102	74.6	---	---	---	---	1950
1952	---	---	---	---	131	232	205	145	89.2	70.3	---	---	---	1952
1953	---	---	---	---	---	286	243	117	92.4	73.2	70.5	65.0	---	1953
1954	62.8	52.3	52.5	87.7	107	236	275	194	158	91.9	76.8	71.8	122	1954
1955	63.2	67.3	66.7	84.8	114	166	181	102	74.3	58.5	62.8	60.5	91.9	1955
1956	89.6	89.2	65.2	83.5	106	220	184	107	80.8	70.3	52.2	50.6	95.6	1956
1957	47.8	54.5	60.5	65.3	140	159	113	83.9	67.8	65.2	52.8	56.5	80.7	1957
1958	63.0	79.0	89.7	89.8	127	162	163	101	89.9	89.8	63.6	59.1	94.8	1958
1959	67.6	63.9	46.7	68.1	77.3	202	183	100	80.9	61.5	57.0	72.6	88.4	1959
1960	68.1	61.1	61.9	71.9	90.1	145	182	108	86.7	59.5	57.5	57.6	85.9	1960
1961	51.2	58.7	51.7	89.0	121	256	129	131	78.4	74.7	89.7	80.5	97.7	1961
1962	76.0	76.2	61.9	91.5	97.5	183	157	118	86.1	84.8	51.5	34.1	81.2	1962
1963	43.6	61.2	52.6	49.3	70.2	204	187	125	105	83.5	60.6	59.2	83.6	1963
1964	54.6	56.3	67.4	72.6	94.8	219	198	100	77.8	76.4	61.1	69.1	85.6	1964
1965	62.1	49.8	47.1	89.3	86.8	245	285	161	105	104	81.7	70.8	113	1965
1966	78.3	66.4	73.8	84.5	110	231	221	127	96.3	89.2	66.6	65.2	108	1966
1967	68.8	63.1	65.4	107	85.0	311	207	138	98.3	70.9	63.3	63.8	112	1967
1968	72.6	69.2	54.8	43.9	64.6	190	158	103	99.8	85.9	39.7	44.5	85.6	1968
1969	64.6	56.9	49.0	83.1	146	263	229	120	86.0	87.5	51.7	50.6	104	1969
1970	50.8	53.3	46.2	56.3	76.4	188	139	97.1	71.9	62.1	57.8	60.1	80.0	1970
1971	47.8	33.5	42.8	47.5	108	214	141	136	81.2	68.5	50.3	45.6	84.9	1971
1972	56.8	48.4	53.5	50.0	102	308	233	185	103	74.1	53.5	58.8	108	1972
1973	51.9	62.2	60.4	52.7	112	209	140	105	71.4	56.5	55.8	54.3	89.4	1973
1974	56.4	58.4	60.8	73.5	111	279	207	157	100	69.0	47.8	58.7	105	1974
1975	64.0	56.7	56.5	50.8	83.2	142	151	95.5	70.3	42.8	50.1	57.1	76.8	1975
1976	59.1	60.8	57.6	55.5	134	162	181	173	136	87.9	56.8	47.1	89.4	1976
1977	63.2	61.5	46.2	44.5	65.4	127	89.1	89.9	66.5	48.8	46.7	46.9	66.5	1977
1978	56.3	68.3	68.5	50.7	85.6	172	155	96.2	85.0	67.5	50.2	58.1	84.7	1978
1979	60.3	69.7	70.0	59.6	85.2	120	103	83.9	68.7	40.4	31.0	33.2	68.7	1979
1980	41.7	42.8	42.9	58.6	133	219	107	87.0	67.4	64.6	57.5	58.1	81.6	1980
1981	65.5	60.1	50.2	68.8	170	233	256	201	99.6	68.7	58.0	44.2	114	1981
1982	56.4	50.9	41.2	50.7	71.8	193	159	94.4	74.2	58.2	54.9	59.2	80.6	1982
1983	53.4	52.4	48.4	64.4	75.7	136	132	105	73.8	52.6	49.8	40.1	73.8	1983
1984	51.8	49.8	40.2	47.3	57.0	128	122	82.3	77.4	55.7	44.5	41.2	67.3	1984
1985	42.8	44.3	49.5	51.2	93.2	115	121	87.9	87.0	48.9	42.1	55.6	70.8	1985
1986	54.9	55.5	56.8	51.8	84.6	295	184	108	78.3	73.0	65.7	74.0	97.5	1986
MEAN	45.2	43.7	43.8	54.3	101	233	195	130	90.8	63.3	49.9	45.4	91.3	MEAN

LOCATION - LAT 51 03 00 N DRAINAGE AREA, 7 860 km²
LONG 114 03 00 W REGULATED SINCE 1913

REMARKS - UNPUBLISHED WATER LEVELS ARE AVAILABLE FROM REGIONAL OFFICE

BOW RIVER AT CALGARY - STATION NO. 05BH004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1897	2 270 ON JUN 18 *	---	---	---	1897
1902	1 560 ON JUL 4	---	---	---	1902
1911	---	467 ON JUN 25	17.0 B ON JAN 3	---	1911
1912	---	430 ON JUL 10	18.4 ON DEC 12	3 470 000	1912
1913	---	416 ON JUN 12	24.5 B ON MAR 20	3 390 000	1913
1914	---	405 ON JUN 18	22.7 B ON JAN 28	3 080 000	1914
1915	1 130 ON JUN 26	785 ON JUN 26	27.0 B ON DEC 29	3 980 000	1915
1916	810 ON JUN 21	787 ON JUN 21	20.7 B ON JAN 17	4 640 000	1916
1917	---	436 ON JUN 3	24.1 B ON MAR 17	3 570 000	1917
1918	---	532 ON JUN 16	21.6 B ON FEB 18	2 920 000	1918
1919	459 AT 04:30 MST ON AUG 5	411 ON AUG 5	16.9 B ON FEB 25	2 540 000	1919
1920	815 AT 12:00 MST ON JUL 13	510 ON JUL 13	10.2 B ON MAR 5	3 030 000	1920
1921	---	337 ON JUN 5	11.2 B ON NOV 22	2 720 000	1921
1922	377 AT 05:00 MST ON JUN 6	365 ON JUN 6	12.0 B ON DEC 11	2 550 000	1922
1923	841 AT 04:00 MST ON JUL 3	714 ON JUN 14	10.9 B ON MAR 12	3 490 000	1923
1924	385 AT 16:00 MST ON JUL 5	377 ON JUL 5	14.4 B ON DEC 17	2 850 000	1924
1925	394 AT 20:00 MST ON JUN 23	385 ON JUN 23	18.0 B ON MAR 9	3 210 000	1925
1926	277 AT 03:00 MST ON SEP 11	259 ON SEP 11	12.5 B ON JAN 5	2 530 000	1926
1927	584 AT 11:00 MST ON JUN 11	547 ON JUN 11	14.7 B ON FEB 20	3 850 000	1927
1928	575 ON JUL 1	558 ON JUL 1	10.6 B ON DEC 6	3 660 000	1928
1929	1 320 AT 10:40 MST ON JUN 3	1 150 ON JUN 3	8 559 ON NOV 28	2 510 000	1929
1930	428 AT 04:00 MST ON JUN 9	389 ON JUN 10	3 489 ON FEB 24 *	2 740 000	1930
1931	338 AT 05:00 MST ON JUN 20	306 ON JUN 20	8 838 ON DEC 7	2 240 000	1931
1932	1 520 AT 02:00 MST ON JUN 3	1 180 ON JUN 3 *	7 678 ON FEB 22	3 170 000	1932
1933	---	612E ON JUN 18	14.3 B ON FEB 13	2 950 000	1933
1934	513 AT 15:30 MST ON JUN 1	447 ON JUN 1	10.8 B ON DEC 31	2 640 000	1934
1935	384 AT 18:30 MST ON JUN 19	374 ON JUN 17	4 258 ON JAN 27	2 670 000	1935
1936	428 AT 21:00 MST ON JUN 2	406 ON JUN 3	4 298 ON MAR 8	2 130 000	1936
1937	297 AT 15:15 MST ON JUN 16	287 ON JUN 18	4 088 ON DEC 6	2 100 000	1937
1938	459 AT 18:00 MST ON JUN 23	413 ON JUN 23	5 788 ON DEC 25	2 790 000	1938
1939	320 AT 05:00 MST ON JUL 3	309 ON JUL 2	5 888 ON MAR 13	2 360 000	1939
1940	323 AT 17:20 MST ON MAY 25	271 ON MAY 25	7 878 ON JAN 15	2 240 000	1940
1941	187 AT 17:30 MST ON JUN 16	178 ON JUN 16	9 348 ON FEB 2	1 840 000	1941
1942	368 AT 16:00 MST ON JUN 9	303 ON JUN 9	5 758 ON JAN 15	2 700 000	1942
1943	365 AT 18:00 MST ON JUL 16	323 ON JUL 5	9 238 ON DEC 28	2 650 000	1943
1944	251 ON JUN 13	214 ON JUN 14	7 70 ON MAY 6	2 210 000	1944
1945	377 AT 17:00 MST ON MAY 31	306 ON JUN 23	16.0 B ON FEB 4	2 480 000	1945
1946	402 AT 18:45 MST ON MAY 29	354 ON MAY 30	25.0 B ON JAN 1	3 810 000	1946
1947	425 AT 17:00 MST ON JUN 12	374 ON JUN 10	26.3 ON MAR 9	3 180 000	1947
1948	595 AT 15:00 MST ON MAY 24	558 ON MAY 25	18.3 ON MAR 28	3 460 000	1948
1949	228 AT 19:00 MST ON JUN 8	200 ON JUN 9	10.9 ON NOV 19	2 030 000	1949
1950	480 ON JUN 23	419 ON JUN 23	8.62 ON MAY 7	---	1950
1952	487 AT 19:00 MST ON JUN 23	408 ON JUN 24	---	---	1952
1953	578 AT 11:59 MST ON JUN 13	513 ON JUN 14	---	---	1953
1954	428 AT 23:30 MST ON JUL 6	388 ON AUG 25	21.5 ON NOV 18	3 850 000	1954
1955	416 AT 23:00 MST ON JUN 24	385 ON JUN 25	25.6 ON OCT 23	2 900 000	1955
1956	377 AT 20:00 MST ON JUN 5	306 ON JUN 7	28.3 ON NOV 3	3 030 000	1956
1957	320 AT 15:00 MST ON JUN 9	270 ON JUN 9	32.8 ON APR 15	2 550 000	1957
1958	281 AT 18:00 MST ON MAY 29	250 ON JUN 13	19.3 ON NOV 15	2 590 000	1958
1959	326 AT 23:00 MST ON JUN 27	306 ON JUN 28	36.0 ON NOV 2	2 780 000	1959
1960	308 AT 08:00 MST ON JUL 2	289 ON JUL 2	35.1 ON NOV 29	2 720 000	1960
1961	396 AT 02:30 MST ON JUN 7	391 ON JUN 7	37.7 ON JAN 22	3 080 000	1961
1962	284 AT 11:00 MST ON JUN 29	249 ON JUN 28	26.9 ON DEC 2	2 870 000	1962
1963	450 ON JUN 30	317 ON JUN 30	30.6 ON MAR 24	2 850 000	1963
1964	377 AT 13:00 MST ON JUN 19	351 ON JUN 18	32.0 B ON NOV 15	3 030 000	1964
1965	473 AT 16:00 MST ON JUN 19	456 ON JUN 20	35.2 B ON MAR 8	3 580 000	1965
1966	394 AT 06:00 MST ON JUN 4	345 ON JUN 4	42.5 B ON DEC 28	3 400 000	1966
1967	438 AT 17:30 MST ON MAY 31	382 ON JUN 24	31.7 B ON DEC 3	3 530 000	1967
1968	385 AT 17:40 MST ON JUN 25	356 ON JUN 13	26.9 B ON NOV 21	2 710 000	1968
1969	481 AT 23:24 MST ON JUN 29	399 ON JUN 30	28.9 B ON MAR 30	3 290 000	1969
1970	334 AT 20:14 MST ON JUN 17	331 ON JUN 17	29.7 B ON MAR 28	3 620 000	1970
1971	388 AT 02:00 MST ON JUN 9	362 ON JUN 7	29.7 B ON APR 5	2 680 000	1971
1972	425 AT 02:50 MST ON JUL 3	402 ON JUL 3	34.0 ON APR 22	3 420 000	1972
1973	354 AT 11:30 MST ON JUN 26	334 ON JUN 26	40.2 B ON JAN 15	3 830 000	1973
1974	484 AT 17:50 MST ON JUN 26	478 ON JUN 26	42.3 B ON NOV 26	3 310 000	1974
1975	242 AT 03:30 MST ON JUL 10	234 ON JUL 10	38.2 ON OCT 28	2 420 000	1975
1976	253 AT 04:35 MST ON AUG 7	249 ON AUG 7	42.6 B ON JAN 4	3 140 000	1976
1977	---	208 ON JUN 10	38.2 ON MAY 10	2 100 000	1977
1978	282 AT 18:10 MST ON JUL 19	238 ON JUN 12	43.0 B ON APR 17	2 670 000	1978
1979	180 AT 00:55 MST ON MAY 30	141 ON MAY 30	28.6 B ON DEC 12	3 170 000	1979
1980	370 AT 00:30 MST ON JUN 19	302 ON JUN 19	34.9 B ON MAR 4	3 540 000	1980
1981	427 AT 00:50 MST ON MAY 29	425 ON MAY 28	39.9 B ON DEC 25	3 590 000	1981
1982	305 AT 03:30 MST ON JUN 30	276 ON JUN 24	35.7 B ON APR 5	2 540 000	1982
1983	225 AT 02:50 MST ON JUL 16	202 ON JUL 4	34.0 B ON DEC 27	3 330 000	1983
1984	234 AT 11:24 MST ON JUL 2	219 ON JUL 2	34.0 B ON DEC 30	3 130 000	1984
1985	193 AT 06:00 MST ON MAY 28	189 ON MAY 27	24.9 B ON NOV 16	2 230 000	1985
1986	427 AT 08:22 MST ON JUN 3	420 ON JUN 3	37.0 B ON JAN 27	3 080 000	1986
				2 880 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BOW RIVER AT CANMORE - STATION NO 05BE004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	43.5	106	127	68.1	46.5	32.3	---	---	---	1975
1976	---	35.5	40.6	44.4	88.3	129	156	126	90.9	47.8	41.7	33.1	---	1976
1977	42.8	44.3	---	---	86.8	110	78.5	77.7	57.9	---	---	---	---	1977
1978	---	---	---	---	45.0	141	124	73.0	63.2	43.3	---	41.7	---	1978
1979	---	---	---	39.3	41.4	105	87.3	70.9	43.9	27.0	18.6	18.0	---	1979
1980	18.5	18.2	18.5	23.6	114	148	87.3	66.9	46.1	37.8	28.5	44.4	54.5	1980
1981	39.7	41.2	42.1	41.4	129	151	202	158	---	---	---	---	---	1981
1982	---	---	---	---	32.7	145	127	79.5	66.5	38.8	39.6	43.2	---	1982
1983	42.1	34.1	27.9	25.1	47.5	109	103	82.7	65.4	31.5	31.5	35.1	51.4	1983
1984	35.2	33.6	26.3	24.7	27.7	119	104	80.3	62.4	38.7	31.7	34.4	51.5	1984
1985	30.0	34.4	33.1	---	---	---	---	---	---	---	---	---	---	1985
MEAN	34.7	34.5	31.5	31.5	62.6	126	121	88.6	57.2	37.9	31.6	35.8	52.5	MEAN

LOCATION - LAT 51 05 05 N DRAINAGE AREA, 2 840 km²
LONG 115 21 51 W REGULATED

BOW RIVER AT CANMORE - STATION NO 05BE004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1975	---	160 ON JUL 16	---	---	1975
1976	248 AT 21:30 MST ON JUL 1	223 ON JUL 1	---	---	1976
1977	243 AT 10:00 MST ON JUN 9	234 ON JUN 9 *	---	---	1977
1978	217 AT 10:30 MST ON JUN 7	194 ON JUN 7	---	---	1978
1979	161 AT 10:00 MST ON JUN 8	139 ON JUN 13	---	---	1979
1980	213 AT 22:45 MST ON JUN 16	201 ON JUN 16	11.59 ON FEB 28 *	1 720 000	1980
1981	287 AT 09:00 MST ON MAY 26 *	---	---	---	1981
1982	241 AT 08:45 MST ON JUN 23	221 ON JUN 23	---	---	1982
1983	178 AT 11:05 MST ON JUN 1	165 ON MAY 31	16.5 ON APR 21	1 520 000	1983
1984	---	234E ON JUN 30	17.0 ON MAY 5	1 630 000	1984
1985	---	---	---	---	1985
				1 880 000	MEAN

E - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BOW RIVER AT CUSHING BRIDGE NEAR CALGARY - STATION NO 05BH002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	---	---	387	300	184	102	---	---	---	---	1908
1909	---	---	---	---	116	409	343	188	98.3	87.3	---	---	---	1909
1910	---	---	---	---	189	395	335	190	97.5	87.8	---	34.1	---	1910
MEAN	---	---	---	---	182	384	308	194	99.3	77.8	---	34.1	---	MEAN

LOCATION - LAT 51 02 00 N DRAINAGE AREA, 10 100 km²
LONG 114 01 00 W REGULATED

BOW RIVER AT CUSHING BRIDGE NEAR CALGARY - STATION NO 05BH002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1908	---	535 ON JUN 6	---	---	1908
1909	---	823 ON JUL 7 *	---	---	1909
1910	---	396 ON JUN 13	---	---	1910
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

BOW RIVER AT LAKE LOUISE - STATION NO. 05BA001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	---	---	28.1	8.06	---	---	---	---	1910
1911	2.76	1.64	1.65	2.81	8.99	39.7	37.1	26.4	13.7	3.04	---	---	---	1911
1912	---	1.78	1.18	1.56	9.20	36.7	36.6	32.5	9.95	4.10	2.70	2.16	---	1912
1913	1.24	1.16	1.23	2.39	11.0	38.7	30.9	28.5	15.8	5.63	3.65	2.18	11.8	1913
1914	1.76	1.49	1.85	1.87	10.6	36.7	36.9	25.7	11.5	5.80	3.60	1.71	11.0	1914
1915	1.62	1.29	1.27	4.08	10.5	33.6	31.4	34.6	13.7	6.58	3.00	2.63	11.0	1915
1916	1.80	1.50	1.89	1.76	8.15	39.7	43.7	23.6	14.0	9.23	3.12	2.01	12.1	1916
1917	1.85	1.50	1.28	1.19	10.6	30.3	35.0	25.2	12.3	8.72	3.36	2.73	10.6	1917
1918	2.01	1.62	1.51	1.60	11.3	46.1	33.7	25.3	17.2	7.90	2.70	3.41	12.6	1918
1919	1.58	1.36	1.56	2.16	14.7	39.6	32.3	34.9	13.9	4.36	2.37	1.93	11.6	1919
1920	1.54	1.42	1.16	1.57	8.39	18.2	49.2	29.3	11.6	---	---	---	---	1920
1984	---	---	---	---	8.57	19.1	19.9	14.5	8.98	7.93	4.38	3.01	---	1984
1985	2.57	2.42	1.82	2.84	9.25	30.8	33.9	27.8	7.44	6.16	3.35	2.28	10.8	1985
1986	2.10	1.64	1.43	1.90	15.8	27.4	31.5	21.8	13.0	5.33	4.03	3.27	10.8	1986
1987	2.19	1.80	1.76	1.87	7.83	60.0	38.9	24.8	18.0	6.58	3.39	2.33	13.5	1987
1988	2.40	1.96	1.82	1.32	8.83	30.3	33.0	21.5	11.7	6.33	3.40	2.30	10.3	1988
1989	1.46	1.46	1.36	3.43	17.3	37.9	35.7	31.5	9.91	5.04	3.55	2.19	10.8	1989
1970	1.52	1.17	1.08	1.38	7.87	31.0	28.8	22.5	7.18	3.13	1.89	1.45	9.08	1970
1971	1.40	1.26	1.05	1.88	11.8	26.5	26.5	28.1	9.86	4.12	2.54	1.81	9.75	1971
1972	1.88	1.35	1.48	1.30	---	---	---	---	---	5.03	3.34	2.44	---	1972
1973	2.35	1.81	1.11	1.48	11.2	23.4	35.8	19.4	8.89	4.88	3.20	2.17	8.85	1973
1974	1.28	1.71	1.36	1.83	8.87	38.8	33.0	22.5	10.8	4.16	2.81	1.83	10.4	1974
1975	1.46	1.26	1.26	1.35	5.89	---	---	17.5	8.74	4.96	3.89	2.16	---	1975
1976	1.86	1.78	1.40	1.79	16.6	18.4	36.1	29.4	20.8	6.27	3.88	3.28	11.9	1976
1977	1.84	1.34	1.58	2.15	9.32	23.8	18.7	23.0	8.82	3.89	3.88	3.25	8.37	1977
1978	1.53	1.10	1.37	1.89	8.31	28.6	33.4	18.0	13.6	5.56	3.88	3.38	10.0	1978
1979	1.43	1.56	1.34	1.68	8.31	35.9	34.9	23.1	11.8	4.98	1.88	2.03	8.39	1979
1980	1.71	1.36	1.28	3.03	24.7	26.8	26.3	13.9	8.23	5.89	3.88	2.82	9.93	1980
1981	2.12	1.36	1.31	2.05	18.1	20.7	36.3	30.0	12.7	3.83	3.88	3.00	11.3	1981
1982	1.71	1.72	1.38	1.33	7.37	34.5	32.2	22.1	17.0	5.80	3.35	2.63	10.9	1982
1983	1.87	1.62	1.33	1.67	10.1	25.0	26.5	25.0	8.71	3.70	3.64	1.78	9.67	1983
1984	1.78	1.35	1.25	1.87	4.00	35.3	36.3	26.6	11.1	4.74	3.04	3.14	9.33	1984
1985	1.50	1.85	1.34	2.17	14.2	20.7	27.3	15.8	8.24	4.40	3.38	1.87	8.81	1985
1986	1.86	1.36	1.41	1.78	13.7	41.2	34.6	18.0	9.39	4.30	3.00	1.84	10.3	1986
MEAN	1.77	1.81	1.38	1.85	10.8	29.6	31.5	24.3	11.7	5.08	3.03	2.30	10.6	MEAN

LOCATION - LAT 51 25 42 N DRAINAGE AREA, 421 km²
LONG 116 11 15 W NATURAL FLOW

BOW RIVER AT LAKE LOUISE - STATION NO. 05BA001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1910	---	---	---	---	1910
1911	---	98.3 ON JUN 24	---	---	1911
1912	---	93.5 ON AUG 25	---	---	1912
1913	---	94.9 ON JUN 11	1.10 B ON FEB 7	373 000	1913
1914	---	94.9 ON JUL 16	1.13 B ON FEB 19	347 000	1914
1915	---	84.7 ON JUN 28	1.13 B ON JAN 25	367 000	1915
1916	---	108 ON JUN 19	1.38 B ON FEB 27	382 000	1916
1917	---	85.3 ON JUL 17	0.9348 ON MAR 20	328 000	1917
1918	---	123 ON JUN 14 *	1.27 B ON JAN 30	405 000	1918
1919	---	87.9 ON JUN 22	0.7858 ON MAR 2	363 000	1919
1920	---	58.3 ON JUL 22	---	---	1920
1984	---	25.9 ON JUL 9	---	---	1984
1985	87.0 AT 24:00 MST ON JUL 8	46.4 ON JUL 8	1.21 B ON MAR 13	342 000	1985
1986	60.2 AT 08:00 MST ON JUN 1	39.6 ON JUN 1	0.888 ON OCT 4	341 000	1986
1987	---	82.8 ON JUN 22	1.00 B ON APR 12	425 000	1987
1988	51.0 AT 14:00 MST ON JUL 12	50.1 ON JUL 12	1.21 B ON APR 25	326 000	1988
1989	52.1 AT 06:03 MST ON JUN 7	50.4 ON JUN 7	1.16 B ON MAR 2	345 000	1989
1970	39.1 AT 03:35 MST ON JUN 7	37.7 ON JUN 8	0.9348 ON MAR 2	285 000	1970
1971	43.2 AT 17:30 MST ON JUN 8	41.1 ON JUN 8	0.8348 ON FEB 14	307 000	1971
1972	---	---	1.22 B ON FEB 7	---	1972
1973	45.6 AT 20:50 MST ON JUN 24	43.2 ON JUN 24	0.8898 ON MAR 30 *	278 600	1973
1974	71.4 AT 03:10 MST ON JUN 25 *	69.8 ON JUN 24	1.13 B ON JAN 15	320 000	1974
1975	44.8 ON JUL 14	---	0.8218 ON APR 6	---	1975
1976	45.0 AT 08:00 MST ON SEP 6	43.6 ON JUL 9	1.18 B ON MAR 22	371 000	1976
1977	---	41.8E ON JUN 8	1.32 B ON FEB 6	284 000	1977
1978	45.2 AT 02:00 MST ON JUL 11	44.8 ON JUL 11	0.8018 ON FEB 14	316 000	1978
1979	38.4 AT 23:50 MST ON JUL 21	37.1 ON JUL 22	1.18 ON APR 22	286 000	1979
1980	55.8 AT 00:05 MST ON MAY 22	46.9 ON MAY 21	1.11 B ON MAR 27	314 000	1980
1981	56.5 AT 18:50 MST ON MAY 26	55.7 ON MAY 26	1.18 B ON MAR 22	356 000	1981
1982	51.8 AT 05:30 MST ON JUL 22	49.3 ON JUL 22	1.30 B ON MAR 24	345 000	1982
1983	53.5 AT 10:10 MST ON JUL 14	50.8 ON JUL 14	1.08 B ON APR 6	289 000	1983
1984	87.7 AT 23:45 MST ON JUN 28	80.8 ON JUN 30	1.08 ON APR 13	295 000	1984
1985	44.7 AT 16:00 MST ON MAY 25	43.4 ON MAY 25	1.08 B ON APR 8	286 000	1985
1986	70.8 AT 01:58 MST ON JUN 2	64.9 ON MAY 31	1.00 B ON JAN 6	324 000	1986
				332 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

BOW RIVER BELOW BASSANO DAM - STATION NO. 05BM004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	329	280	174	123	108	---	---	---	1910
1911	---	---	---	---	115	415	307	271	180	92.9	---	---	229	1911
1912	---	---	---	---	---	---	---	239	142	---	---	---	---	1912
1913	---	---	---	---	---	339	246	132	77.9	88.9	63.1	29.1	---	1913
1914	36.9	---	---	---	273	523	772	352	187	---	52.6	38.4	---	1914
1915	38.2	33.0	80.3	83.2	182	831	853	344	292	140	78.4	51.3	402	1915
1916	49.8	51.1	66.5	55.6	248	586	349	182	118	85.0	54.1	---	257	1916
1917	---	---	---	86.5	103	319	183	137	79.2	69.4	45.6	38.9	145	1917
1918	49.8	35.9	33.0	61.9	152	188	109	178	75.8	51.4	39.0	34.4	125	1918
1919	---	---	---	---	---	---	---	---	---	---	---	---	---	1919
1920	33.1	30.1	43.9	82.5	187	246	486	149	65.2	63.9	41.5	30.0	197	1920
1921	37.6	33.6	---	79.6	186	272	158	103	28.6	42.3	36.7	34.9	128	1921
1922	33.6	27.2	32.4	86.3	139	249	139	104	84.8	53.4	41.1	25.3	125	1922
1923	31.2	27.8	36.0	46.4	80.6	851	303	189	84.6	62.6	50.9	34.6	265	1923
1924	33.6	40.3	36.2	82.4	136	236	202	210	80.7	64.3	51.2	32.9	155	1924
1925	43.2	38.0	86.6	131	193	322	175	147	105	122	76.6	54.1	178	1925
1926	38.6	45.3	88.9	82.3	88.0	132	143	75.4	273	184	80.9	63.7	142	1926
1927	43.1	44.8	80.6	92.4	147	487	341	213	233	188	84.7	53.3	257	1927
1928	86.6	62.0	118	102	195	518	436	175	80.0	78.7	49.9	34.3	247	1928
1929	33.7	34.0	66.6	72.6	139	490	85.9	70.6	36.6	16.6	42.3	30.3	139	1929
1930	38.6	46.9	89.6	86.7	101	301	195	79.5	35.7	82.2	44.9	40.9	127	1930
1931	30.9	39.0	66.3	47.1	19.3	180	109	46.6	46.2	60.7	34.7	---	88.6	1931
1932	---	---	---	---	179	518	170	101	82.7	76.4	44.6	34.3	204	1932
1933	33.9	33.9	60.6	101	196	295	---	---	---	---	---	---	---	1933
1934	---	---	---	---	---	259	136	25.2	11.0	58.3	---	---	---	1934
1935	---	---	---	---	78.8	306	347	193	136	141	---	---	193	1935
1936	---	---	---	---	146	260	214	80.9	61.6	58.8	---	---	141	1936
1937	---	---	---	---	188	561	188	61.5	66.6	38.6	---	---	182	1937
1938	---	---	---	---	47.7	196	104	87.2	87.6	88.6	---	---	101	1938
1939	---	---	---	---	190	302	343	82.6	51.2	52.6	---	---	170	1939
1940	---	---	---	---	119	248	116	44.3	19.2	58.6	---	---	101	1940
1941	---	---	---	---	146	253	73.6	81.2	21.7	26.5	---	---	88.8	1941
1942	---	---	---	---	149	375	226	135	95.1	84.6	---	---	177	1942
1943	---	---	---	---	131	229	114	36.4	27.4	40.8	---	---	95.0	1943
1944	---	---	---	---	207	342	168	89.8	50.8	47.6	---	---	152	1944
1945	---	---	---	---	134	212	120	39.4	35.9	49.8	---	---	98.2	1945
1946	---	---	---	---	133	87.7	122	172	76.5	38.7	---	---	108	1946
1947	---	---	---	---	20.4	40.3	15.4	40.1	22.0	31.2	---	---	26.2	1947
1948	---	---	---	---	127	259	124	64.6	86.5	60.3	---	---	135	1948
1949	---	---	---	---	120	88.1	23.4	16.1	11.6	14.2	---	---	48.0	1949
1950	---	---	---	---	124	248	28.2	30.1	20.3	85.6	---	---	85.7	1950
1951	---	---	---	---	285	273	239	154	45.7	11.0	---	---	185	1951
1952	---	---	---	---	81.7	189	117	15.5	17.6	36.1	---	---	88.2	1952
1953	---	---	---	---	82.7	91.6	89.1	20.0	8.95	7.09	---	---	42.8	1953
1954	---	---	---	50.7	8.71	76.9	30.6	10.9	10.4	8.30	---	---	24.1	1954
1955	---	---	---	72.6	48.6	40.2	4.84	7.73	52.6	59.1	---	---	35.4	1955
1956	---	---	---	---	76.9	280	85.1	24.6	36.2	118	---	---	89.9	1956
MEAN	37.8	37.6	63.1	75.0	133	308	200	114	78.2	67.7	53.9	38.9	143	MEAN

LOCATION - LAT 50 45 00 N
LONG 112 32 30 W

DRAINAGE AREA, 20 300 km²
REGULATED

BOW RIVER BELOW BASSANO DAM - STATION NO. 05BH004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	425 ON JUN 14	---	---	1910
1911	---	848 ON AUG 9	54.4 ON MAY 3	3 650 000	1911
1912	---	---	---	---	1912
1913	---	---	---	---	1913
1914	---	405 ON JUN 19	---	---	1914
1915	---	1 980 ON JUN 27	50.0 ON MAY 1	---	1915
1916	---	1 420 ON JUN 28	83.3 E ON MAY 1	6 380 000	1916
1917	---	994 ON JUN 7	46.2 ON OCT 30	4 050 000	1917
1918	---	617 ON JUN 17	36.4 ON SEP 19	3 300 000	1918
1919	---	599 ON AUG 6	19.2 ON OCT 28	1 990 000	1919
1920	---	885E ON JUL 13	33.1 ON OCT 27	3 120 000	1920
1921	422 ON JUN 9	415 ON JUN 9	12.3 ON SEP 28	2 040 000	1921
1922	436 AT 06:00 MST ON JUN 5	425 ON JUN 7	24.6 ON SEP 28	1 940 000	1922
1923	2 180 ON JUN 2	2 100 ON JUN 2	0.806E ON MAY 5 *	4 210 000	1923
1924	436 AT 04:00 MST ON JUN 30	411 ON JUN 30	29.7 ON MAY 9	2 480 000	1924
1925	538 AT 18:00 MST ON JUN 12	507 ON MAY 24	51.5 ON MAY 6	2 830 000	1925
1926	521 AT 05:00 MST ON SEP 12	510 ON SEP 12	3.83 E ON JUN 5	2 260 000	1926
1927	915 ON JUN 12	784 ON JUN 12	52.1 ON MAY 2	4 240 000	1927
1928	1 040 AT 17:00 MST ON JUN 19	883 ON JUN 19	43.8 ON SEP 29	3 840 000	1928
1929	2 540 AT 17:30 MST ON JUN 4 *	2 230 ON JUN 4 *	3.20 ON OCT 15	2 210 000	1929
1930	442 AT 22:00 MST ON JUN 10	413 ON JUN 10	3.40 ON AUG 28	2 020 000	1930
1931	272 AT 22:00 MST ON JUN 21	254 ON JUN 19	4.42 ON MAY 5	1 110 000	1931
1932	2 310 AT 09:00 MST ON JUN 4	2 120 ON JUN 4	14.4 ON OCT 15	3 250 000	1932
1933	810 AT 22:30 MST ON MAY 18	580 ON JUN 19	108 ON MAY 3	---	1933
1934	555 AT 23:00 MST ON JUN 18	524 ON JUN 19	---	---	1934
1935	974 AT 07:00 MST ON JUN 19	711 ON JUN 19	45.2 ON MAY 23	3 070 000	1935
1936	---	480 ON JUN 8	24.1 ON OCT 11	2 250 000	1936
1937	1 130 AT 01:00 MST ON JUN 1	1 080 ON JUN 1	14.2 ON OCT 24	2 880 000	1937
1938	708 AT 00:59 MST ON OCT 22	337 ON JUN 10	13.0 ON MAY 5	1 810 000	1938
1939	---	994 ON JUN 30	4.67 ON SEP 30	2 700 000	1939
1970	903 AT 01:10 MST ON JUN 15	885 ON JUN 15	4.19 ON SEP 28	1 800 000	1970
1971	750 AT 05:00 MST ON JUN 8	691 ON JUN 8	3.54 ON SEP 27	1 540 000	1971
1972	683 AT 10:40 MST ON JUN 11	504 ON JUN 3	53.4 ON OCT 17	2 810 000	1972
1973	377 AT 05:18 MST ON JUN 27	360 ON JUN 27	7.16 ON AUG 31	1 530 000	1973
1974	843 AT 05:10 MDT ON JUN 18	544 ON JUN 25	16.8 ON OCT 12	2 420 000	1974
1975	805 AT 09:00 MST ON JUN 21	435 ON JUN 21	8.44 ON AUG 15	1 580 000	1975
1976	---	398E ON AUG 7	6.51 ON OCT 14	1 580 000	1976
1977	907 AT 06:50 MST ON OCT 17	108 ON JUN 11	2.68 ON MAY 6	449 000	1977
1978	---	360 ON JUN 7	30.3 ON AUG 9	1 980 000	1978
1979	226 AT 20:45 MST ON MAY 28	216 ON MAY 29	5.58 ON OCT 14	731 000	1979
1980	---	416 ON MAY 28	2.83 ON JUL 15	1 360 000	1980
1981	837 AT 08:00 MST ON MAY 27	725 ON MAY 27	3.08 ON OCT 1	2 820 000	1981
1982	383 AT 08:25 MST ON JUL 5	269 ON JUL 5	3.84 ON SEP 30	1 100 000	1982
1983	303 AT 14:27 MST ON OCT 31	184 ON JUN 1	1.86 ON OCT 5	661 000	1983
1984	303 AT 14:27 MST ON OCT 31	162 ON JUN 19	4.31 ON OCT 22	383 000	1984
1985	307 AT 09:09 MST ON SEP 14	300 ON SEP 14	1.48 ON AUG 27	581 000	1985
1986	451 AT 07:06 MST ON JUN 1	411 ON JUN 3	---	1 590 000	1986
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 280 000	MEAN

E - ESTIMATED

BOW RIVER BELOW BEARSPAW DAM - STATION NO. 05BH005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	53.4	52.5	49.8	55.5	76.8	135	128	96.0	85.2	44.6	44.6	40.1	71.3	1982
1984	51.2	49.8	39.1	44.1	53.9	126	122	92.1	75.0	52.4	44.5	41.3	66.1	1984
1985	42.9	44.7	49.6	51.2	93.2	116	122	85.3	63.7	45.5	42.7	50.4	69.9	1985
1986	51.9	50.8	53.2	47.3	94.9	314	186	117	75.6	73.9	66.8	73.9	101	1986
MEAN	49.9	49.5	48.0	52.0	79.7	173	140	96.1	74.9	54.2	49.6	53.9	77.1	MEAN

LOCATION - LAT 51 05 58 N, LONG 114 13 31 W
DRAINAGE AREA, 7 770 km^2, REGULATED
DATA CONTRIBUTED BY - TRANSALTA UTILITIES CORPORATION

BOW RIVER BELOW BEARSPAW DAM - STATION NO. 05BH005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1983	338 AT 02:00 MST ON JUL 16 *	193 ON MAY 31	34.0 ON DEC 27	2 250 000	1983
1984	---	226 ON JUL 2	31.2 ON OCT 27	2 090 000	1984
1985	---	169 ON MAY 27	38.9 ON NOV 15	2 210 000	1985
1986	---	412 ON JUN 3 *	34.1 ON JAN 7 *	3 170 000	1986
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 430 000	MEAN

BOW RIVER BELOW CARSELAND DAM - STATION NO 05BM002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	73.0	303	307	224	193	111	102	---	---	158	1910
1913	---	---	---	---	---	451	271	248	182	97.6	---	---	---	1913
1914	---	---	---	---	130	310	284	---	---	---	---	---	---	1914
1956	---	---	---	---	---	284	209	138	95.5	86.9	---	---	---	1956
1957	---	---	---	---	216	196	89.0	80.4	76.2	79.1	---	---	---	1957
1958	---	---	---	---	191	242	239	109	82.9	83.9	---	---	---	1958
1959	---	---	---	---	131	288	189	102	84.6	87.5	---	---	---	1959
1960	---	---	---	---	185	184	187	113	85.1	85.7	---	---	---	1960
1961	---	---	---	---	184	300	110	112	84.1	111	---	---	---	1961
1962	---	---	---	---	119	197	135	84.7	87.2	88.6	---	---	---	1962
1963	---	---	---	---	78.8	285	395	131	108	97.7	---	---	---	1963
1964	---	---	---	---	189	316	189	70.7	43.1	78.7	---	---	---	1964
1965	---	---	---	---	103	389	374	180	130	147	---	---	---	1965
1966	---	---	---	---	181	334	381	137	89.9	89.4	---	---	---	1966
1967	---	---	---	---	301	584	333	119	92.7	84.7	---	---	---	1967
1968	---	---	---	---	81.7	343	156	109	88.7	107	---	---	---	1968
1969	---	---	---	---	237	406	385	129	77.2	76.6	---	---	---	1969
1970	---	---	---	---	139	314	149	97.5	47.9	63.7	---	---	---	1970
1971	---	---	---	---	157	286	131	107	53.9	54.6	---	---	---	1971
1972	---	---	63.6	72.2	172	416	277	181	122	94.9	73.6	66.9	191	1972
1973	64.0	64.3	78.9	77.9	188	294	186	83.4	85.9	84.6	61.9	56.2	123	1973
1974	61.6	63.9	75.2	122	208	403	230	143	88.7	88.2	84.7	63.4	179	1974
1975	59.6	66.7	72.6	89.6	133	219	170	63.5	62.9	58.3	58.4	61.4	118	1975
1976	66.8	67.6	71.3	79.0	148	155	161	203	---	55.6	---	---	---	1976
1977	---	---	---	---	---	86.8	110	76.4	63.0	62.0	---	---	---	1977
1978	---	---	---	---	137	277	163	105	108	38.9	---	---	---	1978
1979	---	---	---	---	140	134	61.1	84.7	51.8	93.8	---	---	---	1979
1980	---	---	---	145	184	297	---	---	59.0	47.8	---	---	---	1980
1981	---	---	---	80.2	273	332	291	201	86.4	72.4	---	---	---	1981
1982	---	---	---	---	73.5	233	155	57.1	49.7	47.3	---	---	105	1982
1983	---	---	---	83.8	84.2	149	121	73.4	51.4	86.8	---	---	---	1983
1984	---	---	---	83.8	42.6	136	93.4	61.4	53.1	41.4	---	---	87.5	1984
1985	---	---	---	79.2	86.8	85.8	79.2	86.2	94.7	42.2	---	---	86.8	1985
1986	---	---	---	86.8	129	311	151	73.4	83.1	92.5	---	---	80.0	1986
MEAN	61.3	65.7	73.3	84.4	148	276	191	114	80.0	130	---	---	133	MEAN

LOCATION - LAT 50 49 26 N
LONG 113 26 31 W REGULATED SINCE 1904

BOW RIVER BELOW CARSELAND DAM - STATION NO 05BM002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	416 ON JUN 13	92.7 ON APR 4	3 100 000	1910
1913	---	845 ON JUN 13	---	---	1913
1914	---	445 ON JUN 17	---	---	1914
1956	453 AT 04 00 MST ON JUN 6	411 ON JUN 3	---	---	1956
1957	405 AT 23 30 MST ON JUN 9	348 ON JUN 9	---	---	1957
1958	382 AT 11 00 MST ON JUL 8	357 ON JUL 8	---	---	1958
1959	586 AT 07 00 MST ON JUN 28	549 ON JUN 28	---	---	1959
1960	328 AT 08 00 MST ON JUL 3	309 ON JUL 3	---	---	1960
1961	536 AT 14 00 MST ON MAY 29	524 ON MAY 29	---	---	1961
1962	259 AT 13 00 MST ON JUN 19	241 ON JUN 29	---	---	1962
1963	1 250 AT 01 00 MST ON JUL 1 *	1 070 ON JUL 1	---	---	1963
1964	817 AT 08 00 MST ON JUN 18	698 ON JUN 18	---	---	1964
1965	844 AT 04 00 MST ON JUN 19	789 ON JUN 19	---	---	1965
1966	555 AT 18 00 MST ON JUN 5	549 ON JUN 5	---	---	1966
1967	1 210 AT 12 15 MST ON MAY 31	983 ON MAY 31	---	---	1967
1968	365 AT 10 13 MST ON JUN 9	354 ON JUN 9	---	---	1968
1969	1 340 AT 07 00 MST ON JUN 30	1 130 ON JUN 30 *	---	---	1969
1970	633 AT 03 30 MST ON JUN 15	783 ON JUN 15	---	---	1970
1971	736 AT 03 05 MST ON JUN 7	705 ON JUN 7	---	---	1971
1972	580 AT 07 30 MST ON JUN 10	538 ON JUN 12	57.8 ON APR 24	3 530 000	1972
1973	382 AT 23 00 MST ON JUN 26	357 ON MAY 28	27.5 ON OCT 14	2 270 000	1973
1974	682 AT 14 00 MST ON JUN 19	646 ON JUN 19	59.2 ON OCT 28	3 300 000	1974
1975	496 AT 21 00 MST ON JUN 20	447 ON JUN 21	48.1 ON OCT 27	2 150 000	1975
1976	473 AT 14 30 MST ON AUG 6	402 ON AUG 6	31.0 ON OCT 31	---	1976
1977	217 AT 06 30 MST ON JUN 10	197 ON JUN 10	---	---	1977
1978	386 AT 08 30 MST ON JUN 7	382 ON JUN 10	---	---	1978
1979	255 AT 01 00 MST ON MAY 28	242 ON MAY 28	---	---	1979
1980	500 AT 20 00 MST ON MAY 27	440 ON MAY 27	---	---	1980
1981	748 AT 03 50 MST ON MAY 27	734 ON MAY 27	24.8 ON OCT 19 *	3 420 000	1981
1982	386 AT 06 44 MST ON JUN 30	327 ON JUN 30	---	---	1982
1983	246 AT 13 14 MST ON MAY 31	235 ON MAY 31	32.2 ON OCT 15	1 620 000	1983
1984	242 AT 09 37 MST ON JUL 3	210 ON JUL 3	26.3 ON MAY 14	1 270 000	1984
1985	379 AT 12 03 MST ON SEP 13	333 ON SEP 13	28.8 ON OCT 6	1 480 000	1985
1986	509 AT 15 21 MST ON MAY 31	469 ON JUN 2	36.3 ON MAY 3	2 460 000	1986
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 460 000	MEAN

BOW RIVER BELOW GHOST DAM - STATION NO 05BB006

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1933	---	---	---	---	---	290	231	129	85 5	51 5	48 2	---	---	1933
1934	---	---	---	65 6	193	213	140	105	74 9	45 1	38 4	---	129	1934
1935	---	31 2	31 1	40 3	74 6	243	224	137	76 6	49 1	35 6	34 1	135	1935
1936	---	---	---	26 8	115	206	131	100	67 6	39 1	32 3	---	109	1936
1937	---	---	---	31 1	49 0	75	166	119	75 8	55 0	51 7	27 7	106	1937
1938	29 9	27 4	27 1	31 2	113	300	209	100	83 0	52 8	40 2	27 4	143	1938
1939	28 6	30 6	28 0	34 2	95 1	182	182	112	77 0	54 4	46 4	38 5	114	1939
1940	31 0	30 2	27 7	31 7	125	173	134	87 8	96 8	56 3	34 6	32 8	114	1940
1941	27 1	25 7	33 6	27 2	42 6	134	107	96 6	69 3	49 5	33 1	29 2	83 0	1941
1942	20 9	29 4	28 8	36 6	86 1	190	185	133	87 6	62 1	44 2	40 5	127	1942
1943	45 9	40 3	45 2	72 6	77 2	143	240	117	84 9	54 3	51 0	45 4	116	1943
1944	41 6	38 5	41 0	59 7	90 6	166	106	112	72 4	48 5	45 5	41 9	91 9	1944
1945	44 5	35 2	35 4	47 3	96 0	197	183	96 2	87 7	51 5	47 2	46 1	105	1945
1946	47 8	44 0	38 6	53 1	116	222	158	103	85 4	63 6	48 5	51 9	126	1946
1947	47 2	42 7	45 9	86 2	142	295	182	96 6	84 2	79 9	61 1	53 1	140	1947
1948	49 3	51 4	47 2	84 2	193	323	178	104	87 1	57 3	53 4	46 3	147	1948
1949	50 0	38 8	40 7	52 5	88 4	126	93 3	85 6	80 6	51 4	42 6	35 3	84 3	1949
1950	33 1	25 5	29 7	30 4	46 8	201	189	100	74 9	58 0	57 6	46 2	111	1950
1951	50 9	50 5	46 8	52 4	131	212	295	152	141	95 4	78 0	72 3	172	1951
1952	52 6	56 6	52 0	68 8	122	203	179	130	83 4	64 5	56 6	55 3	130	1952
1953	59 6	58 0	54 8	79 4	89 2	240	215	106	85 3	67 7	67 1	55 6	134	1953
1954	61 9	52 3	52 9	66 1	93 4	218	247	179	142	83 8	75 2	68 7	140	1954
1955	63 9	66 2	54 0	87 9	92 8	154	172	88 0	72 2	55 2	61 6	61 3	107	1955
1956	70 1	66 6	61 6	82 1	98 3	207	155	104	79 7	70 7	63 6	61 0	119	1956
1957	68 9	63 2	66 4	61 6	120	148	108	81 6	67 4	63 1	60 5	64 7	99 5	1957
1958	62 5	77 3	66 8	77 6	108	167	156	103	71 0	70 8	63 3	59 1	112	1958
1959	68 6	62 6	64 9	65 5	71 0	168	158	103	84 4	66 6	67 1	69 5	111	1959
1960	66 3	58 8	64 1	66 7	71 1	123	158	106	65 5	58 8	57 3	56 0	97 8	1960
1961	60 3	56 5	60 0	66 0	107	236	126	121	77 4	76 4	70 9	78 6	124	1961
1962	73 9	73 1	77 2	82 3	77 7	149	144	111	81 1	---	---	---	---	1962
1963	70 5	66 0	60 8	69 4	99 6	176	148	102	87 3	79 3	68 8	64 2	110	1963
1964	63 4	54 2	46 2	51 4	133	239	209	118	86 9	67 7	53 3	49 8	102	1964
1970	50 2	50 5	43 2	49 4	88 7	188	132	91 7	71 0	62 2	58 6	58 8	98 6	1970
1971	47 6	33 1	41 2	38 0	98 4	187	140	135	79 9	67 5	60 1	46 6	120	1971
1972	56 0	47 6	47 0	43 2	88 9	292	231	164	100	67 5	49 6	57 5	155	1972
1973	51 1	59 2	55 1	47 6	96 3	180	172	89 6	66 6	50 6	55 2	53 2	112	1973
1974	56 9	56 2	57 0	63 6	94 8	273	209	150	101	67 5	65 5	57 1	145	1974
1975	62 3	56 3	54 4	45 6	73 9	127	140	89 5	66 6	39 8	40 5	55 6	89 3	1975
1976	57 2	56 8	53 9	53 0	124	191	176	166	128	70 0	56 5	64 6	136	1976
1977	59 5	56 9	44 5	43 8	62 4	120	86 7	90 2	70 0	49 8	46 9	49 4	80 0	1977
1978	---	---	---	---	85 2	174	157	107	86 0	58 1	---	---	112	1978
1979	64 0	71 5	67 5	58 0	84 0	125	106	87 9	73 1	43 5	33 2	37 2	86 5	1979
1980	---	---	---	---	133	215	110	88 5	69 0	60 4	---	---	112	1980
1981	---	---	---	---	157	214	250	186	99 1	53 7	---	---	162	1981
1982	---	---	---	---	69 7	187	153	95 1	75 4	57 6	---	---	106	1982
1983	---	---	---	---	74 6	133	120	100	68 7	48 0	---	---	92 0	1983
1984	---	---	---	---	84 5	125	124	93 8	76 0	54 0	---	---	87 7	1984
1985	---	---	---	---	94 1	116	123	88 4	82 6	65 9	---	---	91 7	1985
1986	---	---	---	---	92 8	209	169	104	72 9	69 3	---	---	134	1986
MEAN	52 1	49 5	47 1	54 9	95 9	194	166	113	82 1	59 6	51 2	46 8	118	MEAN

LOCATION - LAT 51 12 50 N DRAINAGE AREA 6 550 km²
LONG 114 26 40 W REGULATED SINCE 1911

BOW RIVER BELOW GHOST DAM - STATION NO 05BE005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1933	806 AT 22 30 MST ON JUN 17 *	575 ON JUN 18 *	---	---	1933
1934	488 AT 10 30 MST ON JUN 1	425 ON JUN 1	29.2 ON OCT 28	2 050 000	1934
1935	386 AT 10 00 MST ON JUN 17	374 ON JUN 17	17.0 ON OCT 6	2 150 000	1935
1936	442 AT 22 00 MST ON JUN 2	422 ON JUN 2	13.4 ON OCT 25	1 730 000	1936
1937	287 AT 11 00 MST ON JUN 18	287 ON JUN 18	8.35 ON MAY 2	1 650 000	1937
1938	484 AT 11 30 MST ON JUN 23	416 ON JUN 23	20.2 ON MAY 1	2 270 000	1938
1939	314 AT 23 00 MST ON JUL 2	297 ON JUL 2	28.9 ON MAY 1	1 810 000	1939
1940	357 AT 11 00 MST ON MAY 25	289 ON MAY 25	20.9 ON OCT 20	1 810 000	1940
1941	205 AT 22 30 MST ON JUN 15	172 ON JUN 15	12.6 ON MAY 18	1 320 000	1941
1942	343 AT 11 30 MST ON JUN 9	282 ON JUN 9	14.3 ON MAY 10	2 010 000	1942
1943	408 AT 10 30 MST ON JUL 16	317 ON JUL 11	24.0 ON OCT 10	1 850 000	1943
1944	248 AT 11 00 MST ON JUN 2	212 ON JUN 14	17.0 ON MAY 7	1 480 000	1944
1945	385 AT 10 30 MST ON MAY 31	281 ON JUN 22	27.2 ON MAY 27	1 670 000	1945
1946	385 AT 11 30 MST ON MAY 29	337 ON MAY 29	28.0 ON OCT 20	2 010 000	1946
1947	382 AT 11 00 MST ON JUN 12	337 ON JUN 12	51.0 ON OCT 30	2 220 000	1947
1948	595 AT 08 30 MST ON MAY 24	547 ON MAY 25	33.0 ON OCT 17	2 850 000	1948
1949	---	198 ON JUN 8	19.0 ON MAY 7	1 340 000	1949
1950	456 AT 10 30 MST ON JUN 23	384 ON JUN 23	6.43A ON MAY 14	1 770 000	1950
1951	450 AT 16 00 MST ON JUL 6	396 ON JUL 7	30.6 A ON MAY 6	2 740 000	1951
1952	374 AT 14 00 MST ON JUN 23	303 ON JUN 23	16.0 ON SEP 7	2 070 000	1952
1953	479 AT 18 00 MST ON JUN 13	433 ON JUN 14	5.81 ON OCT 11 *	2 120 000	1953
1954	402 AT 15 00 MST ON AUG 25	343 ON JUL 7	29.0 ON OCT 10	2 550 000	1954
1955	405 AT 14 00 MST ON JUN 24	340 ON JUN 25	13.0 ON OCT 23	1 700 000	1955
1956	331 AT 21 00 MST ON JUN 6	317 ON JUN 7	8.02 ON SEP 30	1 880 000	1956
1957	286 AT 17 00 MST ON JUN 8	244 ON JUN 8	31.0 ON SEP 22	1 580 000	1957
1958	227 AT 17 00 MST ON JUL 7	220 ON JUN 12	32.0 ON OCT 19	1 780 000	1958
1959	286 AT 02 00 MST ON JUN 26	275 ON JUN 27	46.0 ON MAY 6	1 770 000	1959
1960	297 AT 05 00 MST ON JUL 2	230 ON JUL 2	29.7 ON MAY 10	1 580 000	1960
1961	385 AT 08 00 MST ON JUN 7	357 ON JUN 7	47.6 ON MAY 14	1 870 000	1961
1962	234 AT 07 00 MST ON JUN 28	233 ON JUN 28	---	---	1962
1968	242 AT 14 30 MST ON JUN 12	239 ON JUN 13	34.5 ON MAY 1	1 780 000	1968
1969	317 AT 14 01 MST ON JUN 29	300 ON JUN 7	45.0 ON SEP 10	2 280 000	1969
1970	280 AT 16 06 MST ON JUN 16	250 ON JUN 17	37.9 ON OCT 18	1 570 000	1970
1971	343 AT 16 00 MST ON JUN 8	320 ON JUN 8	39.1 ON MAY 2	1 800 000	1971
1972	478 AT 12 30 MST ON JUL 3	405 ON JUL 3	41.3 ON OCT 15	2 470 000	1972
1973	374 AT 11 00 MST ON JUN 25	314 ON JUN 25	36.8 ON OCT 15	1 780 000	1973
1974	518 AT 13 30 MST ON JUN 25	504 ON JUN 26	36.8 ON OCT 10	2 310 000	1974
1975	204 AT 11 00 MST ON AUG 2	202 ON JUL 16	30.0 ON OCT 26	1 420 000	1975
1976	257 AT 14 00 MST ON AUG 6	244 ON AUG 6	45.6 ON OCT 30	2 160 000	1976
1977	198 AT 14 00 MST ON JUN 22	193 ON JUN 10	33.7 ON OCT 23	1 270 000	1977
1978	237 AT 10 00 MST ON JUN 11	235 ON JUN 11	52.1 ON OCT 30	1 780 000	1978
1979	259 AT 10 00 MST ON JUN 22	151 ON JUN 15	31.7 ON OCT 22	1 370 000	1979
1980	288 AT 12 00 MST ON JUN 19	295 ON JUN 19	49.9 ON OCT 23	1 780 000	1980
1981	406 AT 08 25 MST ON MAY 28	402 ON MAY 28	39.7 ON OCT 23	2 570 000	1981
1982	288 AT 04 24 MST ON JUN 24	286 ON JUN 24	48.5 ON MAY 12	1 890 000	1982
1983	202 AT 22 44 MST ON JUL 16	192 ON MAY 31	41.0 ON OCT 30	1 480 000	1983
1984	235 AT 16 35 MST ON JUL 17	222 ON JUL 2	32.0 ON OCT 28	1 400 000	1984
1985	---	202A ON MAY 27	31.7 E ON OCT 27	1 480 000	1985
1986	426 AT 17 50 MST ON JUN 3	424 ON JUN 3	42.9 ON MAY 1	2 130 000	1986
				1 870 000	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX) E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BOW RIVER BELOW HECTOR LAKE - STATION NO 05BA005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	---	---	---	15.0	6.58	3.37	---	---	---	1973
1974	---	---	---	---	4.31	28.1	26.0	17.4	8.53	3.09	---	---	14.5	1974
1975	---	---	---	---	3.68	16.6	25.3	13.3	6.58	3.31	---	---	11.8	1975
1976	---	---	---	---	10.7	14.2	28.0	22.0	15.0	4.33	---	---	15.7	1976
MEAN	---	---	---	---	5.23	19.7	26.4	16.9	9.17	3.53	---	---	13.8	MEAN

LOCATION - LAT 51 32 30 N DRAINAGE AREA, 280 km^2
LONG 116 17 40 W NATURAL FLOW

BOW RIVER BELOW HECTOR LAKE - STATION NO 05BA005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	---	---	---	1973
1974	80.0 AT 01 40 MST ON JUN 25 *	58.0 ON JUN 24 *	2.18 ON MAY 1	231 000	1974
1975	35.8 AT 03 30 MST ON JUL 14	35.2 ON JUL 14	0.850E ON MAY 1 *	183 000	1975
1976	35.2 AT 00 30 MST ON JUL 10	35.7 ON JUL 9	1.80 ON MAY 1	260 000	1976
				221 000	MEAN

E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BOW RIVER DEVELOPMENT DRAIN A NEAR HAYS - STATION NO 05AG004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1957	---	---	---	---	0.007	0.079	0.108	0.059	0.021	0.058	---	---	0.062	1957
1958	---	---	---	---	0.053	0.103	0.133	0.054	0.034	0.065	---	---	0.074	1958
1959	---	---	---	---	0.007	0.128	0.282	0.078	0.038	0.028	---	---	0.090	1959
1960	---	---	---	---	0.008	0.280	0.359	0.092	0.065	0.097	---	---	0.150	1960
1961	---	---	---	---	0.092	0.313	0.436	0.057	0.129	0.141	---	---	0.194	1961
1962	---	---	---	---	0.034	0.345	0.274	0.048	0.047	0.029	---	---	0.129	1962
1963	---	---	---	---	0.085	0.459	0.091	0.182	0.123	0.136	---	---	0.178	1963
1964	---	---	---	---	0.018	0.386	0.485	0.287	0.152	0.177	---	---	0.245	1964
1965	---	---	---	---	0.014	0.215	0.266	0.269	0.170	0.083	---	---	0.173	1965
1966	---	---	---	---	0.010	0.263	0.494	0.170	0.094	0.183	---	---	0.203	1966
1972	---	---	---	---	0.035	0.132	0.389	0.186	0.084	0.139	---	---	0.185	1972
1973	---	---	---	---	0.100	0.179	0.350	0.213	0.215	0.088	---	---	0.192	1973
1974	---	---	---	---	0.038	0.284	0.719	0.448	0.096	0.191	---	---	0.287	1974
1975	---	---	---	---	---	0.053	---	---	0.133	0.122	---	---	---	1975
1976	---	---	---	---	0.089	0.414	0.483	0.265	0.143	0.147	---	---	0.255	1976
1977	---	---	---	---	0.225	0.328	0.530	0.312	0.119	0.089	---	---	0.289	1977
1978	---	---	---	---	0.050	0.117	0.475	0.285	0.041	0.076	---	---	0.172	1978
1979	---	---	---	---	0.045	0.336	0.611	0.382	0.035	0.123	---	---	0.255	1979
1980	---	---	---	---	0.405	0.402	0.721	0.280	0.081	0.127	---	---	0.334	1980
1981	---	---	---	---	0.084	0.272	1.00	0.262	0.267	0.150	---	---	0.337	1981
1982	---	---	---	---	0.025	0.352	0.647	0.344	0.094	0.148	---	---	0.289	1982
1983	---	---	---	---	0.040	0.508	0.392	0.180	0.114	0.075	---	---	0.217	1983
1984	---	---	---	---	0.102	0.259	0.357	0.195	0.089	0.034	---	---	0.188	1984
MEAN	---	---	---	---	0.089	0.273	0.436	0.211	0.103	0.112	---	---	0.202	MEAN

LOCATION - LAT 50 00 05 N
LONG 111 43 57 W REGULATED

BOW RIVER DEVELOPMENT DRAIN A NEAR HAYS - STATION NO 05AG004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1957	---	---	---	---	1957
1958	---	0.585 ON OCT 26	0 ON OCT 23 *	880	1958
1959	---	0.527 ON JUL 14	0 ON OCT 21	1 170	1959
		0.909 ON JUN 27	0 ON JUN 2	1 430	
1960	---	0.631 ON JUL 4	0.003 ON MAY 22	2 380	1960
1961	---	0.725 ON JUL 10	0 ON MAY 1	3 080	1961
1962	---	0.841 ON JUN 14	0 E ON MAY 1	2 050	1962
1963	---	1.27 ON JUN 22	0.011 ON MAY 12	2 830	1963
1964	---	0.810 ON JUL 5	0.008 ON MAY 18	3 910	1964
1965	---	1.35 ON JUN 17	0 ON MAY 12	2 750	1965
1966	---	1.33 ON JUL 25	0.003 ON MAY 12	3 220	1966
1972	---	0.498 ON JUL 15	0.020 ON AUG 28	2 630	1972
1973	---	0.510 ON JUL 17	0.021 ON JUN 25	3 080	1973
1974	---	0.889 ON JUL 19	0.038E ON MAY 7	4 730	1974
1975	---	---	---	---	1975
1976	---	0.736 ON JUN 7	0 ON MAY 13	4 050	1976
1977	---	0.748 ON JUL 1	0 ON MAY 1	4 280	1977
1978	---	0.776 ON JUL 23	0 ON JUN 5	2 730	1978
1979	---	0.896 ON JUL 15	0 ON MAY 31	4 080	1979
1980	---	1.38 ON MAY 25	0 ON MAY 1	5 310	1980
1981	---	1.53 ON JUL 28 *	0 ON MAY 1	5 370	1981
1982	---	1.38 ON JUL 3	0.014 ON MAY 25	4 270	1982
1983	---	1.10 ON JUN 28	0.003 ON MAY 24	3 480	1983
1984	---	1.45 ON JUN 22	0 ON MAY 1	2 980	1984
				3 220	MEAN

E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BOW RIVER DEVELOPMENT DRAIN D NEAR VAUXHALL · STATION NO 05BN008

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1958	---	---	---	---	0.019	0.403	0.274	0.107	0.029	0.051	---	---	0.144	1958
1959	---	---	---	---	0	0.232	0.333	0.205	0.047	0.080	---	---	0.148	1959
1960	---	---	---	---	0.004	0.184	0.502	0.314	0.053	0.123	---	---	0.198	1960
1961	---	---	---	---	0.072	0.805	0.949	0.312	0.224	0.138	---	---	0.383	1961
1962	---	---	---	---	0.088	0.474	0.475	0.407	0.163	0.222	---	---	0.301	1962
1963	---	---	---	---	0.149	1.07	0.306	0.375	0.244	0.226	---	---	0.393	1963
1964	---	---	---	---	0.030	0.589	0.553	0.816	0.155	0.234	---	---	0.382	1964
1965	---	---	---	---	0	0.112	0.378	0.484	0.101	0.152	---	---	0.207	1965
1966	---	---	---	---	0.010	0.211	0.579	0.306	0.224	0.175	---	---	0.251	1966
1967	---	---	---	---	0	0.021	0.875	0.624	0.348	0.349	---	---	0.371	1967
1968	---	---	---	---	0.138	0.468	0.838	0.535	0.331	0.245	---	---	0.422	1968
1969	---	---	---	---	0.082	0.712	0.710	0.915	0.747	0.385	---	---	0.592	1969
1970	---	---	---	---	0.405	0.788	0.711	0.883	0.495	0.276	---	---	0.580	1970
1971	---	---	---	---	0.050	0.593	1.04	0.720	0.623	0.228	---	---	0.541	1971
1972	---	---	---	---	0.131	0.741	0.791	0.620	0.563	0.285	---	---	0.559	1972
1973	---	---	---	---	0.391	0.785	0.986	0.880	0.802	0.402	---	---	0.674	1973
1974	---	---	---	---	0.013	0.624	0.936	0.894	0.801	0.430	---	---	0.549	1974
1975	---	---	---	---	0.067	0.173	1.06	0.984	0.877	0.471	---	---	0.605	1975
1976	---	---	---	---	0.288	1.06	1.17	1.28	0.934	0.777	---	---	0.922	1976
1977	---	---	---	---	0.674	0.970	0.837	0.749	0.524	0.260	---	---	0.682	1977
1978	---	---	---	---	0.010	0.241	1.11	0.807	0.185	1.03	---	---	0.570	1978
1979	---	---	---	---	0.005	0.789	1.09	0.843	0.689	0.434	---	---	0.841	1979
1980	---	---	---	---	0.854	0.880	1.05	0.984	0.896	0.340	---	---	0.767	1980
1981	---	---	---	---	0.117	1.12	1.24	1.17	1.04	0.597	---	---	0.878	1981
1982	---	---	---	---	0.215	0.788	1.13	1.11	0.944	0.404	---	---	0.780	1982
1983	---	---	---	---	0.169	1.29	1.25	1.09	0.887	0.215	---	---	0.816	1983
1984	---	---	---	---	0.482	1.08	1.15	0.948	0.452	0.108	---	---	0.700	1984
1985	---	---	---	---	0.212	0.883	0.823	0.839	0.387	0.170	---	---	0.553	1985
1986	---	---	---	---	0.182	1.07	1.47	1.27	0.765	0.312	---	---	0.836	1986
MEAN	---	---	---	---	0.158	0.646	0.852	0.734	0.489	0.314	---	---	0.532	MEAN

LOCATION · LAT 50 11 40 N
LONG 112 02 50 W REGULATED

BOW RIVER DEVELOPMENT DRAIN D NEAR VAUXHALL · STATION NO 05BN008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1958	---				
1959	---	0.742 ON JUN 26	0.003 ON MAY 5	2 330	1958
		1.59 ON JUN 27	0 ON MAY 1 *	2 330	1959
1960	---				
1961	---	0.770 ON AUG 1	0 ON MAY 11	3 140	1960
1962	---	1.47 ON JUL 12	0 ON MAY 1	5 080	1961
1963	---	1.66 ON JUN 14	0 ON MAY 1	4 730	1962
1964	---	10.1 ON JUN 22 *	0 ON MAY 1	5 240	1963
		1.98 ON JUN 15	0 ON MAY 12	5 750	1964
1965	---				
1966	---	1.38 ON JUL 25	0 E ON MAY 1	3 280	1965
1967	---	4.47 ON JUL 15	0 ON MAY 17	4 000	1966
1968	---	1.06 ON JUL 13	0 ON MAY 1	5 800	1967
1969	---	2.35 ON JUN 30	0 ON MAY 1	5 700	1968
		1.83 ON JUL 21	0 ON MAY 1	9 420	1969
1970	---				
1971	---	3.05 ON JUN 13	0.003E ON MAY 1	5 370	1970
1972	---	1.87 ON JUL 10	0 ON MAY 1	5 600	1971
1973	---	1.21 ON JUL 14	0 ON MAY 1	5 880	1972
1974	---	2.33 ON JUN 15	0 ON MAY 1	10 700	1973
		1.23 ON JUL 22	0 ON MAY 1	6 740	1974
1975	---				
1976	---	1.84 ON JUL 31	0 ON MAY 18	9 840	1975
1977	---	2.16 ON JUL 1	0 ON MAY 1	14 700	1976
1978	---	1.55 ON SEP 22	0 ON MAY 1	10 800	1977
1979	---	1.71 ON OCT 22	0 ON MAY 19	9 060	1978
		1.59 ON JUL 29	0 ON MAY 27	10 200	1979
1980	---				
1981	---	2.08 ON MAY 25	0.001 ON MAY 1	12 200	1980
1982	---	2.75 ON JUN 14	0 ON MAY 1	14 000	1981
1983	---	2.53 ON JUL 2	0 ON MAY 1	12 100	1982
1984	---	2.36 ON JUL 4	0 ON MAY 8	13 000	1983
		2.30 ON JUN 22	0 ON MAY 1	11 100	1984
1985	---				
1986	---	1.41 ON JUL 17	0 ON MAY 10	8 800	1985
		2.49 ON SEP 25	0 ON MAY 1	13 300	1986
				9 450	MEAN

E · ESTIMATED

* · EXTREME RECORDED FOR THE PERIOD OF RECORD

BOW RIVER DEVELOPMENT DRAIN E NEAR VAUXHALL - STATION NO. 05BN023

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	---	---	0.056	0.245	0.188	0.273	0.291	0.182	---	---	0.202	1970
1971	---	---	---	---	0.026	0.180	0.180	0.183	0.178	0.096	---	---	0.136	1971
1972	---	---	---	---	0.038	0.174	0.245	0.181	0.104	0.071	---	---	0.132	1972
1973	---	---	---	---	0.109	0.233	0.272	0.266	0.109	0.104	---	---	0.182	1973
1974	---	---	---	---	0.029	0.119	0.238	0.315	0.172	0.126	---	---	0.167	1974
1975	---	---	---	---	0.149	0.116	0.290	0.332	0.251	0.095	---	---	0.208	1975
1976	---	---	---	---	0.124	0.202	0.276	0.273	0.286	0.149	---	---	0.218	1976
1977	---	---	---	---	0.223	0.188	0.219	0.255	0.188	0.083	---	---	0.186	1977
1978	---	---	---	---	0.015	0.068	0.195	0.259	0.074	0.119	---	---	0.122	1978
1979	---	---	---	---	0.004	0.251	0.351	0.317	0.285	0.126	---	---	0.222	1979
1980	---	---	---	---	0.121	0.127	0.178	0.250	0.187	0.090	---	---	0.158	1980
1981	---	---	---	---	0.085	0.249	0.247	0.236	0.185	0.085	---	---	0.183	1981
1982	---	---	---	---	0.103	0.229	0.227	0.226	0.200	0.079	---	---	0.177	1982
1983	---	---	---	---	0.067	0.394	0.290	0.228	0.178	0.042	---	---	0.198	1983
1984	---	---	---	---	0.140	0.228	0.180	0.188	0.101	0.011	---	---	0.138	1984
MEAN	---	---	---	---	0.087	0.200	0.237	0.248	0.184	0.095	---	---	0.175	MEAN

LOCATION - LAT 50 11 43 N
LONG 112 05 16 W REGULATED

BOW RIVER DEVELOPMENT DRAIN E NEAR VAUXHALL - STATION NO. 05BN023

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1970	---	0.900 ON JUN 13	0E ON MAY 1 *	3 210	1970
1971	---	0.456 ON AUG 25	0 ON MAY 1	2 160	1971
1972	---	0.377 ON JUN 23	0 ON MAY 1	2 100	1972
1973	---	0.733 ON JUN 15	0 ON MAY 1	2 900	1973
1974	---	0.501 ON AUG 20	0 ON MAY 26	2 550	1974
1975	---	0.513 ON MAY 6	0 ON JUN 3	3 270	1975
1976	---	0.572 ON JUL 1	0 ON MAY 1	3 470	1976
1977	---	0.473 ON MAY 11	0 ON MAY 1	2 550	1977
1978	---	1.04 ON AUG 23 *	0 ON JUN 4	1 940	1978
1979	---	0.727 ON AUG 4	0A ON OCT 30	3 530	1979
1980	---	0.785 ON MAY 25	0 ON JUN 7	2 530	1980
1981	---	0.451 ON JUN 14	0 ON MAY 1	2 900	1981
1982	---	0.517 ON MAY 27	0 ON MAY 1	2 810	1982
1983	---	0.638 ON JUN 20	0 ON MAY 8	3 150	1983
1984	---	0.588 ON JUN 22	0 ON OCT 12	2 190	1984
				2 780	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX) E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BOW RIVER DEVELOPMENT DRAIN K NEAR VAUXHALL - STATION NO. 05BN009

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1958	---	---	---	---	0.016	0.024	0.019	0.017	0.093	0.100	---	---	0.045	1958
1959	---	---	---	---	0.034	0.070	0.284	0.339	0.182	0.408	---	---	0.217	1959
1960	---	---	---	---	0.047	0.305	0.278	0.145	0.073	0.247	---	---	0.182	1960
1961	---	---	---	---	0.268	0.172	0.196	0.103	0.154	0.355	---	---	0.210	1961
1962	---	---	---	---	0.185	0.270	0.086	0.290	0.329	0.182	---	---	0.221	1962
1963	---	---	---	---	0.230	0.902	0.705	0.547	0.524	0.282	---	---	0.530	1963
1964	---	---	---	---	0.022	0.517	0.135	0.834	0.095	0.145	---	---	0.258	1964
1965	---	---	---	---	0.011	0.522	0.213	0.491	0.439	0.204	---	---	0.312	1965
1966	---	---	---	---	0.017	0.510	1.07	1.02	0.702	0.484	---	---	0.633	1966
1968	---	---	---	---	---	---	---	0.474	0.425	0.312	---	---	---	1968
1969	---	---	---	---	---	0.736	0.532	0.284	0.452	0.597	---	---	---	1969
1970	---	---	---	---	0.202	0.855	0.628	0.860	0.390	0.555	---	---	0.548	1970
1971	---	---	---	---	0.147	0.851	1.19	1.03	0.578	0.291	---	---	0.650	1971
1972	---	---	---	---	0.050	0.769	0.538	0.808	0.830	0.738	---	---	0.554	1972
1973	---	---	---	---	0.126	0.588	0.679	0.739	0.739	0.633	---	---	0.583	1973
1974	---	---	---	---	0.239	0.774	1.14	1.17	1.03	0.708	0.103	---	0.843	1974
1975	---	---	---	---	0.181	0.845	0.617	1.83	1.36	0.925	---	---	0.825	1975
1976	---	---	---	---	0.838	1.33	1.35	1.85	0.847	1.00	---	---	1.16	1976
1977	---	---	---	---	0.735	0.881	1.40	1.25	1.04	0.842	---	---	1.03	1977
1978	---	---	---	---	0.103	0.880	1.49	2.08	0.959	1.72	---	---	1.22	1978
1979	---	---	---	---	0.059	1.27	0.738	1.85	0.883	1.11	---	---	0.901	1979
1980	---	---	---	---	0.775	0.821	1.85	2.32	1.09	0.685	---	---	1.24	1980
1981	---	---	---	---	0.800	1.25	1.91	1.82	1.03	1.29	---	---	1.35	1981
1982	---	---	---	---	0.358	1.85	2.41	2.56	1.72	1.17	---	---	1.89	1982
1983	---	---	---	---	0.141	1.74	1.74	1.27	0.824	0.585	---	---	1.05	1983
1984	---	---	---	---	0.123	1.88	1.18	1.29	0.584	0.221	---	---	0.838	1984
1985	---	---	---	---	0.032	0.387	0.849	0.805	0.213	0.112	---	---	0.330	1985
1986	---	---	---	---	0.049	0.197	0.376	0.253	0.852	0.411	---	---	0.355	1986
MEAN	---	---	---	---	0.215	0.774	0.858	0.878	0.636	0.583	0.103	---	0.867	MEAN

LOCATION - LAT 50 17 25 N
LONG 112 10 52 W REGULATED

BOW RIVER DEVELOPMENT DRAIN X NEAR VAUXHALL - STATION NO. 05BN009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1958	---	0.170 ON OCT 18	0 ON JUL 12 *	712	1958
1959	---	0.875 ON OCT 15	0.003 ON JUN 15	3 450	1959
1960	---	0.880 ON JUN 25	0.003 ON SEP 11	2 800	1960
1961	---	0.801 ON MAY 16	0.006 ON AUG 23	3 340	1961
1962	---	1.08 ON AUG 4	0 ON JUN 30	3 520	1962
1963	---	2.18 ON JUN 30	0.006 ON MAY 2	8 420	1963
1964	---	1.46 ON JUN 15	0 E ON MAY 1	4 100	1964
1965	---	1.79 ON JUN 26	0 ON MAY 8	4 880	1965
1966	---	2.02 ON JUL 6	0 ON MAY 11	10 100	1966
1968	---	---	---	---	1968
1969	---	1.34 ON JUN 12	---	---	1969
1970	---	3.00 ON JUN 16	0.042E ON MAY 1	8 730	1970
1971	---	2.27 ON JUL 12	0.059A ON MAY 4	10 300	1971
1972	---	1.63 ON JUN 30	0.020 ON MAY 16	8 800	1972
1973	---	1.28 ON JUN 19	0.008 ON MAY 10	9 270	1973
1974	---	2.29 A ON JUL 14	0.135 ON MAY 14	13 400	1974
1975	---	2.58 ON JUN 20	0.034E ON JUN 11	14 700	1975
1976	---	3.43 ON AUG 10	0.028 ON MAY 3	18 400	1976
1977	---	2.86 ON JUL 31	0.031 ON MAY 3	16 300	1977
1978	---	3.26 ON AUG 23	0.057A ON MAY 18	19 500	1978
1979	---	2.64 ON AUG 1	0.021 ON MAY 27	14 300	1979
1980	---	3.23 ON AUG 10	0.074 ON MAY 2	19 800	1980
1981	---	3.53 ON AUG 23	0.035 ON MAY 1	21 500	1981
1982	---	3.73 ON JUL 3	0.049 ON MAY 22	25 800	1982
1983	---	3.09 ON JUL 7	0.032 ON MAY 4	15 700	1983
1984	---	3.01 ON JUN 11	0.029 ON MAY 19	13 300	1984
1985	---	1.20 ON JUL 17	0.023 ON MAY 24	5 250	1985
1986	---	4.84 ON SEP 27 *	0.028 ON MAY 31	5 840	1986
				10 800	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BOW RIVER DEVELOPMENT DRAIN Y NEAR HAYS - STATION NO. 05AG005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1958	---	---	---	---	0.010	0.218	0.207	0.148	0.125	0.057	---	---	0.127	1958
1959	---	---	---	---	0	0.135	0.139	0.148	0.142	0.087	---	---	0.105	1959
1960	---	---	---	---	0	0.077	0.489	0.271	0.091	0.198	---	---	0.188	1960
1961	---	---	---	---	0.019	0.279	0.483	0.221	0.364	0.177	---	---	0.255	1961
1962	---	---	---	---	0.023	0.425	0.537	0.330	0.090	0.188	---	---	0.268	1962
1963	---	---	---	---	0.040	0.103	0.426	0.487	0.289	0.217	---	---	0.261	1963
1964	---	---	---	---	0	0.254	0.512	0.455	0.407	0.201	---	---	0.305	1964
1965	---	---	---	---	0.002	0.312	0.316	0.485	0.088	0.153	---	---	0.223	1965
1966	---	---	---	---	0.011	---	---	0.282	---	---	---	---	---	1966
1967	---	---	---	---	---	---	---	0.553	0.280	0.385	---	---	---	1967
1968	---	---	---	---	0.131	0.255	0.584	0.480	0.302	0.269	---	---	0.331	1968
1969	---	---	---	---	0.007	0.378	0.413	0.484	0.387	0.427	---	---	0.349	1969
1970	---	---	---	---	0.032	0.309	0.552	0.847	0.538	0.511	---	---	0.484	1970
1971	---	---	---	---	---	---	---	---	---	0.325	---	---	---	1971
1972	---	---	---	---	0.190	0.216	0.584	0.803	0.312	0.374	---	---	0.378	1972
1973	---	---	---	---	0.180	0.286	0.527	0.537	0.358	0.329	---	---	0.384	1973
1974	---	---	---	---	0.002	0.334	0.550	0.672	0.559	0.371	0.030	---	0.450	1974
1975	---	---	---	---	0.008	0.438	0.518	0.772	0.283	0.344	---	---	0.391	1975
1976	---	---	---	---	0.178	0.714	0.642	0.701	0.281	0.180	---	---	0.450	1976
1977	---	---	---	---	0.348	0.898	0.724	0.828	0.335	0.185	---	---	0.532	1977
1978	---	---	---	---	0.148	0.272	0.353	0.290	0.220	0.338	---	---	0.270	1978
1979	---	---	---	---	0.028	0.883	0.838	0.738	0.224	0.141	---	---	0.445	1979
1980	---	---	---	---	0.353	0.596	0.808	0.884	0.281	0.184	---	---	0.483	1980
1981	---	---	---	---	0.062	0.862	0.935	0.708	0.496	0.470	---	---	0.555	1981
1982	---	---	---	---	0.120	0.892	0.945	0.888	0.276	0.255	---	---	0.530	1982
1983	---	---	---	---	0.093	0.841	0.724	0.841	0.417	0.148	---	---	0.476	1983
1984	---	---	---	---	0.047	0.898	0.842	0.514	0.234	0.142	---	---	0.412	1984
1985	---	---	---	---	0.046	0.388	0.551	0.542	0.307	0.148	---	---	0.330	1985
1986	---	---	---	---	0.028	0.374	0.742	0.418	0.509	0.262	---	---	0.388	1986
MEAN	---	---	---	---	0.077	0.408	0.577	0.539	0.302	0.252	0.030	---	0.380	MEAN

LOCATION - LAT 49 55 00 N
LONG 111 43 40 W REGULATED

BOW RIVER DEVELOPMENT DRAIN T NEAR HAYS - STATION NO. 05AG005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1958	---	0.385 ON JUL 6	0 ON MAY 1 *	2 020	1958
1959	---	0.634 ON JUN 27	0 ON MAY 1	1 870	1959
1960	---	0.765 ON JUL 23	0 ON MAY 1	2 980	1960
1961	---	0.782 ON JUL 17	0 ON MAY 1	4 050	1961
1962	---	0.980 ON JUL 13	0 ON MAY 1	4 220	1962
1963	---	0.623 ON JUL 4	0 ON MAY 1	4 150	1963
1964	---	0.708 ON JUL 16	0 ON MAY 1	4 850	1964
1965	---	0.827 ON AUG 5	0 E ON MAY 5	3 540	1965
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1968	---	0.859 ON AUG 9	0 ON MAY 1	5 280	1968
1969	---	0.833 ON AUG 11	0 ON MAY 1	5 550	1969
1970	---	1.03 ON AUG 13	0 E ON MAY 1	7 590	1970
1971	---	---	---	---	1971
1972	---	1.39 ON MAY 25	0 ON MAY 17	6 010	1972
1973	---	0.988 ON AUG 21	0 ON MAY 1	6 100	1973
1974	---	1.21 ON AUG 4	0.001 ON MAY 9	7 140	1974
1975	---	1.02 ON JUN 20	0.003E ON MAY 1	6 210	1975
1976	---	1.01 ON JUN 15	0.001 ON MAY 1	7 160	1976
1977	---	1.18 ON AUG 6	0.017 ON MAY 1	6 460	1977
1978	---	0.793 ON OCT 12	0.028 ON MAY 1	4 300	1978
1979	---	1.23 ON JUN 23	0 ON MAY 1	7 090	1979
1980	---	1.30 ON AUG 4	0 ON MAY 1	7 680	1980
1981	---	1.42 ON JUL 21	0 ON MAY 1	6 830	1981
1982	---	1.14 ON AUG 10	0 ON MAY 15	6 420	1982
1983	---	1.35 ON JUN 19	0 ON MAY 1	7 570	1983
1984	---	1.48 ON JUN 23	0 ON MAY 1	6 550	1984
1985	---	1.14 ON AUG 9	0 ON MAY 1	5 280	1985
1986	---	1.61 ON SEP 28 *	0.006 ON MAY 24	6 180	1986
				5 730	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

E - ESTIMATED

BOW RIVER DEVELOPMENT MAIN CANAL - STATION NO. 05AC004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1918	---	---	---	0	0	0	0	0	2.32	1.17	2.92	---	0.782	1918
1919	---	---	---	1.34	2.85	4.83	5.38	8.99	9.38	5.41	0	---	4.78	1919
1920	---	---	---	0	0	0	2.02	7.37	8.38	8.55	2.04	---	3.58	1920
1921	---	---	---	0	1.11	4.81	9.84	6.97	9.54	10.4	0.219	---	5.38	1921
1922	---	---	---	0	0	1.88	4.71	5.77	5.82	5.78	1.47	---	3.17	1922
1923	---	---	---	0	0.862	0.335	3.81	5.57	4.78	0.561	0	---	1.95	1923
1924	---	---	---	0	1.14	3.20	4.77	5.40	5.16	1.57	0	---	2.66	1924
1925	---	---	---	0	0	0.034	0	0	0	0	0	---	0.004	1925
1926	---	---	---	1.33	4.85	5.23	6.23	7.37	0	0	0	---	3.15	1926
1927	---	---	---	0	0	0	0	0	0.319	4.37	0.850	---	0.712	1927
1928	---	---	---	0.887	4.80	4.58	0.615	0.299	4.62	5.25	0.226	---	2.64	1928
1929	---	---	---	1.02	4.98	0.573	4.34	7.33	6.91	6.85	1.63	---	4.23	1929
1930	---	---	---	4.73	7.05	6.27	6.87	6.29	6.24	3.20	0	---	5.07	1930
1931	---	---	---	3.09	6.83	6.43	6.82	6.54	6.65	6.82	3.43	---	5.82	1931
1932	---	---	---	0	1.15	5.72	6.54	6.63	6.94	2.86	0	---	3.74	1932
1933	---	---	---	0	0	3.68	3.91	7.45	7.70	4.42	0	---	3.40	1933
1934	---	---	---	2.46	6.91	7.14	6.91	7.45	7.82	7.82	5.72	---	6.52	1934
1935	---	---	---	0.110	5.44	5.51	6.43	6.26	6.48	0	0	---	3.91	1935
1936	---	---	---	0	0	0	6.34	8.01	8.58	7.51	0	---	3.83	1936
1937	---	---	---	0	3.43	6.16	6.97	6.94	8.50	7.50	2.80	---	5.55	1937
1938	---	---	---	0	0	3.31	6.44	0	0	7.87	3.78	---	2.92	1938
1939	---	---	---	1.50	6.67	6.51	7.45	6.47	3.57	4.67	6.52	---	6.19	1939
1940	---	---	---	0	1.16	6.66	7.33	5.72	0	3.98	0	---	3.13	1940
1941	---	---	---	0	0.286	6.57	10.0	10.6	10.4	9.34	1.76	---	6.14	1941
1942	---	---	---	0	0	1.53	5.58	6.48	6.99	6.12	0.900	---	3.47	1942
1943	---	---	---	0.883	5.58	6.28	6.64	6.97	7.87	6.12	0	---	5.03	1943
1944	---	---	---	0.453	7.50	9.85	7.38	6.81	8.10	2.12	0.572	---	5.58	1944
1945	---	---	---	0.883	5.41	6.29	6.54	6.94	7.87	6.12	0	---	5.00	1945
1946	---	---	---	0	0	0.865	3.37	6.96	10.7	10.6	4.98	---	4.93	1946
1947	---	---	---	1.29	1.16	6.91	8.52	8.10	1.43	0.830	0	---	3.55	1947
1948	---	---	---	0	0	0	2.16	4.39	6.06	6.63	0.595	---	2.49	1948
1949	---	---	---	0	1.91	7.75	8.26	7.81	10.7	10.6	3.66	---	6.34	1949
1950	---	---	---	0	0	6.88	8.13	8.24	3.72	0	0	---	3.36	1950
1951	---	---	---	0	0	0	0	0	0	0	0	---	0	1951
1952	---	---	---	0	0	0	0.207	0	0	0	0	---	0.026	1952
1953	---	---	---	0	0	0	1.42	6.86	2.70	6.55	11.0	---	3.79	1953
1954	---	---	---	6.28	17.0	30.8	30.7	9.81	0	0	0	---	11.9	1954
1955	---	---	---	0	0	0	4.24	22.4	11.4	0.010	0	---	4.78	1955
1956	---	---	---	0	0.057	0.852	22.1	2.15	0.003	0.097	0	---	3.14	1956
1957	---	---	---	0	0.086	13.3	25.0	29.2	4.70	0.006	0.001	---	9.10	1957
1958	---	---	---	0	0.013	0.820	19.4	22.1	21.3	2.82	0	---	8.33	1958
1959	---	---	---	0	0.006	2.11	13.6	23.9	22.9	0.057	0	---	7.84	1959
1960	---	---	---	0	0	0	15.3	15.6	30.6	21.9	0.003	---	10.5	1960
1961	---	---	---	0.001	6.11	33.6	35.6	36.9	24.6	0.239	0	---	17.1	1961
1962	---	---	---	0	2.75	21.0	34.5	30.1	7.49	2.28	0	---	12.3	1962
1963	---	---	---	0	7.46	36.3	32.9	5.86	7.75	6.41	0	---	12.0	1963
1964	---	---	---	0	0.031	26.3	31.0	30.4	28.3	14.4	0	---	17.8	1964
1965	---	---	---	0	0	12.7	2.83	17.1	15.0	0.041	0	---	6.05	1965
1966	---	---	---	0	0.539	1.23	5.71	27.0	27.2	3.72	0	---	8.20	1966
1967	---	---	---	0	0	0.478	5.54	22.9	11.5	0	0	---	5.14	1967
1968	---	---	---	0	0.010	9.89	30.3	16.9	31.6	16.3	0	---	13.7	1968
1969	---	---	---	0	1.37	21.3	5.96	8.80	21.7	11.7	0.002	---	8.83	1969
1970	---	---	---	0	0.263	13.6	25.2	23.6	24.1	10.3	0.002	---	12.2	1970
1971	---	---	---	0	0	12.1	26.5	28.0	29.3	24.3	0.037	---	15.1	1971
1972	---	---	---	0	0	0	0	0	0	0	0	---	0	1972
1973	---	---	---	0	4.89	28.1	31.7	31.3	20.9	15.8	0	---	16.8	1973
1974	---	---	---	0	18.2	24.8	28.4	29.7	28.7	1.74	0	---	16.5	1974
1975	---	---	---	0	7.89	22.1	16.4	24.7	15.5	0 *	0	---	10.8	1975
1976	---	---	---	0	8.78	28.4	27.5	25.9	26.4	26.5	3.20	---	18.8	1976
1977	---	---	---	11.5	21.2	30.6	15.7	20.1	24.4	29.1	8.86	---	20.2	1977
1978	---	---	---	2.46	20.2	8.11	26.6	27.2	9.72	0.026	0	---	12.2	1978
1979	---	---	---	0	12.0	29.0	30.4	26.6	21.2	4.74	0	---	15.6	1979
1980	---	---	---	0	26.4	32.5	29.1	27.7	25.8	5.26	0	---	18.4	1980
1981	---	---	---	0.580	29.3	26.9	28.7	32.9	29.5	19.4	0	---	21.0	1981
1982	---	---	---	0	14.8	29.7	29.3	29.1	26.8	9.71	0	---	17.7	1982
1983	---	---	---	0	19.8	28.0	34.8	30.0	24.0	23.6	1.46	---	20.3	1983
1984	---	---	---	4.37	22.0	33.5	28.5	29.2	29.0	21.7	0.152	---	21.1	1984
1985	---	---	---	0.328	29.0	33.8	31.1	26.0	31.7	14.9	---	---	---	1985
1986	---	---	---	2.31	28.2	34.9	33.8	30.5	14.2	0.102	0	---	18.2	1986
MEAN	---	---	---	0.887	5.54	11.1	13.7	14.1	12.4	5.72	1.04	---	8.00	MEAN

LOCATION - LAT 50 44 46 N
LONG 113 01 17 W

REGULATED SINCE 1918

BOW RIVER DEVELOPMENT MAIN CANAL - STATION NO. 05AC004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1918	---	4.98 ON NOV 21	0 ON APR 1 *	18 700	1918
1919	---	11.8 ON AUG 4	0 ON APR 1	101 000	1919
1920	---	9.57 ON OCT 24	0 ON APR 1	77 000	1920
1921	---	11.5 ON JUL 24	0 ON APR 1	113 000	1921
1922	---	8.46 ON AUG 7	0 ON APR 1	86 800	1922
1923	---	8.40 E ON AUG 7	0 ON APR 1	41 000	1923
1924	---	8.48 E ON AUG 8	0 ON APR 1	56 300	1924
1925	---	0.374 ON JUN 23	0 ON APR 1	88.8	1925
1926	---	7.59 ON AUG 5	0 ON APR 1	66 400	1926
1927	---	5.27 ON OCT 23	0 ON APR 1	15 000	1927
1928	---	7.19 ON MAY 26	0 ON APR 1	66 700	1928
1929	---	8.24 ON AUG 8	0 ON APR 1	89 100	1929
1930	---	7.53 ON MAY 30	0 ON APR 1	107 000	1930
1931	---	6.62 E ON JUL 1	3.09 E ON APR 1	123 000	1931
1932	---	6.94 E ON SEP 1	0 ON APR 1	78 800	1932
1933	---	7.70 E ON SEP 1	0 ON APR 1	71 800	1933
1934	---	7.82 E ON OCT 1	2.46 E ON APR 1	137 000	1934
1935	---	5.51 E ON JUN 1	0 ON OCT 1	82 800	1935
1936	---	6.96 E ON SEP 1	0 ON APR 1	80 400	1936
1937	---	8.50 E ON SEP 1	0 ON APR 1	117 000	1937
1938	---	8.44 E ON JUL 1	0 ON APR 1	61 500	1938
1939	---	8.87 E ON MAY 1	1.50 E ON APR 1	131 000	1939
1940	---	7.33 E ON JUL 1	0 ON APR 1	55 900	1940
1941	---	10.6 E ON AUG 1	0 ON APR 1	130 000	1941
1942	---	6.99 E ON SEP 1	0 ON APR 1	73 100	1942
1943	---	7.87 E ON SEP 1	0 ON NOV 1	106 000	1943
1944	---	9.65 E ON JUN 1	0.453E ON APR 1	118 000	1944
1945	---	7.87 E ON SEP 1	0 ON NOV 1	105 000	1945
1946	---	10.7 E ON SEP 1	0 ON APR 1	104 000	1946
1947	---	8.52 E ON JUL 1	0 ON NOV 1	74 800	1947
1948	---	6.83 E ON OCT 1	0 ON APR 1	52 600	1948
1949	---	11.9 ON SEP 21	0 ON APR 1	134 000	1949
1950	---	11.5 ON JUN 14	0 ON APR 1	71 300	1950
1951	---	0 ON APR 1	0 ON APR 1	0	1951
1952	---	0.210E ON JUL 5	0 ON APR 1	656	1952
1953	---	17.8 ON NOV 8	0 ON APR 1	79 800	1953
1954	---	36.5 ON JUN 19	0 ON APR 1	251 000	1954
1955	---	34.0 ON SEP 11	0 ON APR 1	101 000	1955
1956	---	32.5 ON JUL 12	0 ON APR 1	67 000	1956
1957	---	36.5 ON AUG 6	0 ON APR 1	192 000	1957
1958	---	25.9 ON JUL 14	0 ON APR 1	176 000	1958
1959	---	36.1 ON SEP 16	0 ON APR 1	185 000	1959
1960	---	32.6 ON OCT 5	0 ON APR 1	221 000	1960
1961	---	37.9 ON AUG 23	0 ON APR 1	281 000	1961
1962	---	35.7 ON JUL 5	0 ON APR 1	280 000	1962
1963	---	36.5 ON JUL 10	0 ON APR 1	252 000	1963
1964	---	39.4 ON SEP 4 *	0 ON APR 1	371 000	1964
1965	---	32.5 ON SEP 24	0 ON APR 1	138 000	1965
1966	---	28.3 ON AUG 31	0 ON APR 1	173 000	1966
1967	---	29.4 ON SEP [illegible]	0 ON APR 1	108 000	1967
1968	---	32.8 ON SEP 10	0 ON APR 1	288 000	1968
1969	---	29.7 ON OCT [illegible]	0 ON APR 1	186 000	1969
1970	---	36.0 ON JUL 22	0 ON APR 1	267 000	1970
1971	---	33.4 ON OCT 4	0 ON APR 1	316 000	1971
1972	---	0 ON APR 1	0 ON APR 1	0	1972
1973	---	34.0 ON JUN 30	0 E ON APR 1	363 000	1973
1974	---	30.6 ON JUL 30	0 ON APR 1	366 000	1974
1975	---	25.7 ON AUG 23	0 ON APR 1	229 000	1975
1976	---	30.6 ON OCT 14	0 ON APR 1	386 000	1976
1977	---	34.3 ON NOV 5	0 ON APR 1	426 000	1977
1978	---	30.3 ON JUL 7	0 ON APR 1	256 000	1978
1979	---	32.0 ON JUN 16	0 ON APR 1	328 000	1979
1980	---	37.1 ON MAY 21	0 ON APR 1	368 000	1980
1981	---	36.1 ON JUL 5	0 ON APR 1	443 000	1981
1982	---	31.8 ON JUN 30	0 E ON APR 1	374 000	1982
1983	---	36.0 ON JUL 5	0 ON APR 1	428 000	1983
1984	---	35.6 ON JUN 8	0 ON APR 1	445 000	1984
1985	---	35.1 ON MAY 26	0 ON APR 1	---	1985
1986	---	36.5 ON JUL 23	0 ON APR 1	384 000	1986
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		169 000	MEAN

BOW RIVER DEVELOPMENT MAIN CANAL AT DROP NO. 3 - STATION NO. 05AC902

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	---	---	5.13	34.0	35.8	19.5	30.2	8.02	---	---	18.9	1981
1982	---	---	---	---	5.91	33.6	34.1	20.9	13.0	5.86	---	---	17.1	1982
1983	---	---	---	---	7.03	37.7	37.5	19.7	15.3	3.30	---	---	18.5	1983
1984	---	---	---	---	12.2	33.4	44.3	18.8	6.61	1.29	---	---	19.6	1984
1985	---	---	---	---	5.58	37.0	42.3	15.5	4.61	0.881	---	---	17.6	1985
1986	---	---	---	---	5.72	36.3	36.8	15.8	7.35	1.07	---	---	17.1	1986
MEAN	---	--	---	---	7.26	32.0	36.8	18.4	11.2	3.62	---	---	18.1	MEAN

LOCATION - LAT 50 09 25 N
LONG 112 32 00 W REGULATED

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

BOW RIVER DEVELOPMENT MAIN CANAL AT DROP NO 3 - STATION NO 05AC902

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	---	45.6 ON JUL 13	0 ON OCT 23 *	301 000	1981
1982	---	45.6 ON JUL 27	0 ON MAY 1	271 000	1982
1983	---	46.7 ON JUN 22	0 ON MAY 1	284 000	1983
1984	50.1 AT 10:45 MST ON JUL 24 *	49.0 ON JUL 12 *	0 ON MAY 1	309 000	1984
1985	---	46.3 ON JUL 5	0 ON MAY 1	282 000	1985
1986	---	45.2 ON JUN 29	0 ON OCT 8	272 000	1986
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		288 000	MEAN

BOW RIVER DEVELOPMENT MAIN CANAL BELOW LITTLE BOW RESERVOIR - STATION NO 05AC027

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	11.0	41.0	30.3	7.07	7.39	---	---	---	1978
1979	---	---	---	---	1.19	24.8	45.4	31.8	11.8	7.43	---	---	---	1979
MEAN	---	---	---	---	1.19	17.9	43.2	31.1	9.44	7.35	---	---	---	MEAN

LOCATION - LAT 50 12 00 N
LONG 113 37 30 W REGULATED

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

BOW RIVER DEVELOPMENT MAIN CANAL BELOW LITTLE BOW RESERVOIR - STATION NO 05AC027

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	---	---	0 ON OCT 24 *	---	1978
1979	---	---	0 ON MAY 1	---	1979
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

BOW RIVER DEVELOPMENT WESTERN BLOCK LATERAL A NEAR HEALGATE - STATION NO 05AC013

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	---	---	---	---	0.001	0.287	0.154	0.033	0.019	0.087	---	---	0.089	1959
1960	---	---	---	---	0	0.247	0.482	0.072	0.135	0.133	---	---	0.178	1960
1961	---	---	---	---	0.075	0.476	0.332	0.078	0.089	0.193	---	---	0.240	1961
1962	---	---	---	---	0.140	0.422	0.410	0.071	0.120	0.338	---	---	0.250	1962
1963	---	---	---	---	0.294	0.560	0.078	0.153	0.145	0.324	---	---	0.291	1963
1964	---	---	---	---	0.003	0.398	0.342	0.303	0.085	0.292	---	---	0.209	1964
1965	---	---	---	---	0	0.135	0.073	0.091	0.001	0.058	---	---	0.058	1965
1966	---	---	---	---	0.030	0.158	0.180	0.085	0.039	0.036	---	---	0.095	1966
1967	---	---	---	---	0	0.017	0.269	0.1*	0.117	0.300	---	---	0.167	1967
1968	---	---	---	---	0.078	0.304	0.351	0.116	0.100	0.107	---	---	0.176	1968
1969	---	---	---	---	0.084	0.291	0.097	0	0.184	0.316	---	---	0.199	1969
1970	---	---	---	---	0.065	0.401	0.187	0.280	0.139	0.136	---	---	0.185	1970
1971	---	---	---	---	0.003	0.347	0.279	0.215	0.188	0.218	---	---	0.224	1971
1972	---	---	---	---	0.003	0.467	0.339	0.227	0.217	0.202	---	---	0.255	1972
1973	---	---	---	---	0.231	0.383	0.540	0.345	0.188	0.240	---	---	0.321	1973
1974	---	---	---	---	0	0.252	0.427	0.288	0.151	0.291	---	---	0.235	1974
1975	---	---	---	---	0	0.003	0.548	0.317	0.097	0.133	---	---	0.184	1975
1976	---	---	---	---	0.088	0.885	0.595	0.088	0.338	0.307	---	---	0.383	1976
1977	---	---	---	---	0.079	---	---	---	---	---	---	---	---	1977
1981	---	---	---	---	0.003	0.626	0.796	0.253	0.339	0.310	---	---	0.385	1981
1982	---	---	---	---	0.048	0.674	0.743	0.212	0.039	0.015	---	---	0.288	1982
1983	---	---	---	---	0.087	1.00	0.787	0.216	0.380	0.020	---	---	0.409	1983
1984	---	---	---	---	0.184	0.882	1.28	0.261	0.052	0.018	---	---	0.456	1984
1985	---	---	---	---	0.087	0.831	1.14	0.230	0.019	0.018	---	---	0.417	1985
1986	---	---	---	---	0.079	1.02	1.09	0.187	0.184	0.003	---	---	0.421	1986
MEAN	---	---	---	---	0.084	0.476	0.474	0.189	0.133	0.189	---	---	0.283	MEAN

LOCATION - LAT 50 11 30 N
LONG 112 35 00 W REGULATED

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

BOW RIVER DEVELOPMENT WESTERN BLOCK LATERAL A NEAR HEADGATE - STATION NO 05AC013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1959	---	0.834 ON JUN 17	0 ON MAY 1 *	1 420	1959
1960	---	0.834 ON JUL 15	02 ON MAY 1	2 630	1960
1961	---	0.834 ON JUN 19	0 ON MAY 1	3 010	1961
1962	---	0.867 ON OCT 11	0 ON MAY 1	3 970	1962
1963	---	1.03 ON JUN 9	0 ON MAY 1	3 990	1963
1964	---	0.773 ON OCT 16	0 ON MAY 1	3 330	1964
1965	---	0.377 ON JUL 30	0 ON MAY 1	920	1965
1966	---	0.357 ON JUL 1	0 ON MAY 1	1 510	1966
1967	---	0.566 ON JUL 24	0 ON MAY 1	2 340	1967
1968	---	0.857 ON JUL 24	0 ON MAY 1	2 780	1968
1969	---	0.996 ON OCT 14	0 ON MAY 1	3 170	1969
1970	---	0.895 ON JUN 10	0 ON MAY 1	3 010	1970
1971	---	0.716 ON OCT 10	0 ON MAY 1	3 580	1971
1972	---	0.810 ON JUN 10	0 ON MAY 1	4 080	1972
1973	---	1.24 ON JUL 26	0 ON MAY 1	5 110	1973
1974	---	0.826 ON OCT 16	0 ON MAY 1	4 080	1974
1975	---	1.05 ON JUL 27	0 ON MAY 1	3 930	1975
1976	---	1.08 ON JUN 8	0 ON MAY 1	6 090	1976
1977	---	---	0 ON MAY 1	---	1977
1981	---	1.44 ON JUL 27	0 ON MAY 1	6 160	1981
1982	---	1.39 ON JUL 23	0 ON MAY 1	4 570	1982
1983	---	1.39 ON JUN 21	0 ON MAY 1	6 450	1983
1984	1.80 AT 10:19 MST ON JUL 20 *	1.53 ON JUL 21 *	0 ON MAY 1	7 280	1984
1985	---	1.41 ON JUL 19	0 ON MAY 1	6 630	1985
1986	---	1.40 ON JUN 27	0 ON MAY 1	6 890	1986
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		4 030	MEAN

BOW RIVER DEVELOPMENT WESTERN BLOCK LATERAL A2 NEAR HEADGATE - STATION NO 05AC014

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	---	---	---	---	0.001	0	0.001	0.003	0.003	0.001	---	---	0.001	1959
1960	---	---	---	---	0	0.016	0.030	0.003	0.010	0.005	---	---	0.009	1960
1961	---	---	---	---	0.001	0.073	0.027	0	0	0.036	---	---	0.023	1961
1962	---	---	---	---	0.002	0.070	0.048	0	0.060	0.073	---	---	0.046	1962
1963	---	---	---	---	0.026	0.087	0.002	0.022	0.030	0.046	---	---	0.027	1963
1964	---	---	---	---	0	0.061	0.041	0.010	0	0.073	---	---	0.031	1964
1965	---	---	---	---	0	0.027	0	0	0	0	---	---	0.006	1965
1966	---	---	---	---	0.001	0.026	0	0	0	0.037	---	---	0.012	1966
1967	---	---	---	---	0	0.003	0.037	0.018	0.018	0.036	---	---	0.018	1967
1968	---	---	---	---	0	0	0.023	0.001	0	0.018	---	---	0.007	1968
1969	---	---	---	---	0.001	0	0.008	0.012	0	0.071	---	---	0.015	1969
1970	---	---	---	---	0	0.018	0.012	0.033	0.042	0.038	---	---	0.030	1970
1971	---	---	---	---	0	0.006	0.048	0.008	0.001	0.018	---	---	0.012	1971
1972	---	---	---	---	0	0.018	0.026	0.034	0	0.020	---	---	0.016	1972
1973	---	---	---	---	0.004	0.037	0.053	0.048	0	0.018	---	---	0.024	1973
1974	---	---	---	---	0	0.048	0.094	0.010	0.018	0.043	---	---	0.035	1974
1975	---	---	---	---	0	0.002	0.133	0.043	0.022	0.018	---	---	0.028	1975
1976	---	---	---	---	0.079	0.172	0.233	0.038	0.090	0.067	---	---	0.114	1976
MEAN	---	---	---	---	0.006	0.037	0.048	0.015	0.015	0.035	---	---	0.026	MEAN

LOCATION - LAT 50 11 10 N
LONG 113 34 20 W REGULATED

BOW RIVER DEVELOPMENT WESTERN BLOCK LATERAL A2 NEAR HEADGATE - STATION NO 05AC014

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1959	---	0.020 ON AUG 12	0 ON MAY 1 *	DO 9	1959
1960	---	0.0578 ON JUN 24	00 ON MAY 1	135	1960
1961	---	0.155 ON JUN 20	0 ON MAY 1	361	1961
1962	---	0.178 ON JUL 5	0 ON MAY 1	684	1962
1963	---	0.190 ON JUN 17	00 ON MAY 1	596	1963
1964	---	0.245 ON OCT 12	0 ON MAY 1	482	1964
1965	---	0.116 ON JUN 10	0 ON MAY 1	87 5	1965
1966	---	0.133 ON OCT 19	0 ON MAY 1	146	1966
1967	---	0.093 ON JUL 19	0 ON MAY 1	285	1967
1968	---	0.102 ON JUL 27	0 ON MAY 1	117	1968
1969	---	0.184 ON OCT 9	0 ON MAY 1	243	1969
1970	---	0.095 ON JUN 10	0 ON MAY 1	310	1970
1971	---	0.085 ON JUL 24	0 ON MAY 1	190	1971
1972	---	0.088 ON JUL 1	0 ON MAY 1	287	1972
1973	---	0.190 ON AUG 5	0 ON MAY 1	381	1973
1974	---	0.173 ON JUL 19	0 ON MAY 1	688	1974
1975	---	0.285 ON JUL 20	0 ON MAY 1	511	1975
1976	---	0.284 ON MAY 29 *	0 ON MAY 1	1 010	1976
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		406	MEAN

BOW RIVER DEVELOPMENT WESTERN BLOCK LATERAL B NEAR HEADGATE - STATION NO 05AC015

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1958	---	---	---	---	0.002	0.156	0.311	0.076	0.016	0.081	---	---	0.104	1959
1960	---	---	---	---	0.005	0.278	0.600	0.111	0.101	0.198	---	---	0.250	1960
1961	---	---	---	---	0.065	0.607	0.583	0.130	0.337	0.455	---	---	0.394	1961
1962	---	---	---	---	0.200	0.702	0.832	0.175	0.118	0.452	---	---	0.430	1962
1963	---	---	---	---	0.353	0.899	0.250	0.246	0.208	0.781	---	---	0.455	1963
1964	---	---	---	---	0.073	0.810	0.980	0.519	0.386	0.806	---	---	0.596	1964
1965	---	---	---	---	0	0.287	0.298	0.284	0.045	0.182	---	---	0.181	1965
1966	---	---	---	---	0.032	0.244	0.115	0.085	0.127	0.223	---	---	0.138	1966
1967	---	---	---	---	0	0.050	0.802	0.445	0.189	0.323	---	---	0.305	1967
1968	---	---	---	---	0.201	0.415	1.05	0.238	0.206	0.250	---	---	0.395	1968
1969	---	---	---	---	0.107	0.887	0.173	0.387	0.278	0.854	---	---	0.408	1969
1970	---	---	---	---	0.184	0.790	0.522	0.638	0.287	0.526	---	---	0.488	1970
1971	---	---	---	---	0.023	0.527	1.20	0.490	0.155	0.332	---	---	0.448	1971
1972	---	---	---	---	0.045	0.747	0.954	0.852	0.170	0.257	---	---	0.505	1972
1973	---	---	---	---	0.444	0.787	1.23	0.541	0.145	0.348	---	---	0.581	1973
1974	---	---	---	---	0.012	0.853	1.88	0.850	0.411	0.595	---	---	0.735	1974
1975	---	---	---	---	0	0.112	1.37	0.892	0.195	0.206	---	---	0.467	1975
1976	---	---	---	---	0.492	2.09	1.73	0.555	0.725	0.781	---	---	1.06	1976
1977	---	---	---	---	0.472	---	---	---	---	---	---	---	---	1977
MEAN	---	---	---	---	0.142	0.634	0.832	0.416	0.228	0.411	---	---	0.441	MEAN

LOCATION - LAT 50 09 20 N
LONG 112 29 50 W REGULATED

BOW RIVER DEVELOPMENT WESTERN BLOCK LATERAL B NEAR HEADGATE - STATION NO 05AC015

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1959	---	0.745 ON JUL 15	0 ON MAY 1 e	1 850	1959
1960	---	1.23 ON JUL 16	0 ON MAY 1	3 970	1960
1961	---	1.14 ON JUN 19	0 ON MAY 1	5 270	1961
1962	---	1.72 ON JUL 8	0 ON MAY 1	5 840	1962
1963	---	1.72 ON JUN 21	0 ON OCT 24	7 230	1963
1964	---	1.53 ON OCT 13	0 ON MAY 1	9 480	1964
1965	---	1.06 ON AUG 4	0 ON MAY 1	2 880	1965
1966	---	0.530 ON JUN 23	0E ON MAY 1	2 19	1966
1967	---	1.83 ON JUL 25	0 ON MAY 1	4 850	1967
1968	---	1.55 ON JUL 15	0 ON OCT 22	5 290	1968
1969	---	1.32 ON JUN 18	0 ON MAY 1	5 510	1969
1970	---	1.74 ON JUN 10	0 ON MAY 1	7 780	1970
1971	---	1.45 ON JUL 18	0 ON MAY 1	7 120	1971
1972	---	1.81 ON AUG 5	0 ON MAY 1	8 030	1972
1973	---	1.62 ON JUL 26	0 ON MAY 1	9 230	1973
1974	---	2.01 ON JUL 29	0 ON MAY 1	11 700	1974
1975	---	2.08 ON JUL 29	0 ON MAY 1	7 420	1975
1976	---	2.30 ON JUN 15 e	0 ON MAY 1	15 800	1976
1977	---	---	---	---	1977
				7 010	MEAN

E - ESTIMATED

e - EXTREME RECORDED FOR THE PERIOD OF RECORD

BOW RIVER DEVELOPMENT WESTERN BLOCK LATERAL C NEAR HEADGATE - STATION NO 05AC016

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1958	---	---	---	---	0	0.180	0.096	0.053	0.042	0.060	---	---	0.071	1959
1960	---	---	---	---	0	0.185	0.369	0.018	0.062	0.117	---	---	0.125	1960
1961	---	---	---	---	0.034	0.587	0.371	0.146	0.156	0.200	---	---	0.248	1961
1962	---	---	---	---	0.326	0.492	0.713	0.096	0.143	0.336	---	---	0.351	1962
1963	---	---	---	---	0.193	0.527	0.108	0.184	0.089	0.370	---	---	0.238	1963
1964	---	---	---	---	0.057	0.403	0.588	0.322	0.091	0.343	---	---	0.301	1964
1965	---	---	---	---	0	0.178	0.150	0.068	0.042	0.020	---	---	0.079	1965
1966	---	---	---	---	0.028	0.155	0.074	0.025	0.105	0.183	---	---	0.092	1966
1967	---	---	---	---	0	0.018	0.497	0.228	0.182	0.411	---	---	0.224	1967
1968	---	---	---	---	0.080	0.188	0.571	0.080	0.141	0.134	---	---	0.199	1968
1969	---	---	---	---	0.042	0.340	0.042	0.334	0.187	0.154	---	---	0.170	1969
1970	---	---	---	---	0.201	0.858	0.157	0.347	0.092	0.187	---	---	0.274	1970
1971	---	---	---	---	0.020	0.302	0.443	0.155	0.142	0.238	---	---	0.217	1971
1972	---	---	---	---	0.048	0.398	0.506	0.213	0.048	0.072	---	---	0.214	1972
1973	---	---	---	---	0.338	0.388	0.802	0.395	0.105	0.124	---	---	0.309	1973
1974	---	---	---	---	0	0.584	0.704	0.418	0.144	0.225	---	---	0.345	1974
1975	---	---	---	---	0	0.063	0.631	0.220	0.105	0.181	---	---	0.201	1975
1976	---	---	---	---	0.251	0.821	0.873	0.129	0.287	0.228	---	---	0.383	1976
1977	---	---	---	---	0.266	---	---	---	---	---	---	---	---	1977
MEAN	---	---	---	---	0.100	0.380	0.405	0.185	0.117	0.197	---	---	0.226	MEAN

LOCATION - LAT 50 07 40 N
LONG 112 29 40 W REGULATED

BOW RIVER DEVELOPMENT WESTERN BLOCK LATERAL C NEAR HEADGATE - STATION NO 05AC016

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1959	---	0.394 ON JUN 19	0 ON MAY 1 *	1 130	1959
1960	---	0.527 ON JUL 19	0E ON MAY 1	1 980	1960
1961	---	0.728 ON JUN 16	0 ON MAY 1	3 840	1961
1962	---	1.08 ON MAY 31	0 ON MAY 1	5 590	1962
1963	---	1.05 ON JUN 20	0 ON JUN 24	3 790	1963
1964	---	0.790 ON JUL 23	0 ON MAY 1	4 780	1964
1965	---	0.507 ON JUN 15	0 ON MAY 1	1 280	1965
1966	---	0.365 ON JUN 3	0 ON MAY 1	1 480	1966
1967	---	1.01 ON JUL 22	0 ON MAY 1	3 580	1967
1968	---	0.892 ON JUL 21	0 ON MAY 1	3 170	1968
1969	---	0.711 ON AUG 12	0 ON MAY 1	2 840	1969
1970	---	3.37 ON JUN 7 *	0 ON MAY 1	4 350	1970
1971	---	0.739 ON JUL 22	0 ON MAY 1	3 450	1971
1972	---	0.807 ON JUN 8	0 ON MAY 1	3 400	1972
1973	---	0.940 ON MAY 28	0 ON MAY 1	4 920	1973
1974	---	1.06 ON JUN 16	0 ON MAY 1	5 490	1974
1975	---	1.01 ON JUL 23	0 ON MAY 1	3 200	1975
1976	---	0.977 ON JUN 5	0 ON MAY 1	6 2[illegible]	1976
1977	---	---	0 ON MAY 1	---	1977
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		3 580	MEAN

E - ESTIMATED

BOW RIVER NEAR COCHRANE - STATION NO 05BH005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	441	---	---	---	---	---	---	---	1915
MEAN	---	---	---	---	---	441	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 51 10 22 N LONG 114 28 00 W DRAINAGE AREA, 7 580 km^2 REGULATED

BOW RIVER NEAR KANANASKIS - STATION NO 05BE003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	17.8	82.3	155	174	168	93.2	61.1	35.7	18.6	---	1912
1913	19.8	19.2	23.7	36.4	72.1	250	157	143	95.8	57.4	42.7	39.6	79.9	1913
1914	24.3	18.3	18.0	22.9	73.2	196	197	89.0	60.5	61.2	34.5	18.3	69.1	1914
1915	18.5	22.7	23.4	31.0	72.6	154	228	145	71.9	52.5	39.5	33.1	74.8	1915
1916	22.6	27.7	30.1	37.5	62.2	261	301	140	89.1	55.9	45.1	34.8	82.4	1916
1917	25.8	17.6	16.0	19.0	74.2	183	205	111	73.3	50.1	28.5	24.7	69.2	1917
1918	26.8	17.0	17.4	22.9	82.9	232	148	104	70.7	46.6	30.9	30.7	67.5	1918
1919	31.6	21.4	19.9	23.3	84.8	153	123	115	86.5	37.4	28.3	21.5	61.6	1919
1920	17.8	20.7	15.7	15.2	34.8	131	307	127	65.5	46.1	33.8	28.4	70.4	1920
1921	25.8	20.2	19.3	34.4	84.8	234	173	101	48.4	37.7	32.3	24.8	69.0	1921
1922	20.3	16.9	16.2	21.7	67.2	208	140	110	67.1	40.0	27.7	23.4	63.7	1922
MEAN	23.4	20.2	20.4	24.7	68.3	198	198	124	73.3	49.7	34.3	26.8	71.8	MEAN

LOCATION - LAT 51 05 20 N LONG 115 05 30 W DRAINAGE AREA, 4 180 km^2 REGULATED

BOW RIVER NEAR KANANASKIS - STATION NO 05BE003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	235 ON JUL 14	---	---	1912
1913	---	317 ON JUN 13	16 18 ON FEB 22	2 520 000	1913
1914	---	284 ON JUN 18	11 88 ON DEC 15	2 180 000	1914
1915	---	391 ON JUN 28	14 20 ON JAN 27	2 380 000	1915
1916	---	600 ON JUN 21 *	21 58 ON JAN 3	2 920 000	1916
1917	---	280 ON JUL 9	13 38 ON FEB 20	2 180 000	1917
1918	---	382 ON JUN 18	13 68 ON MAR 1	2 130 000	1918
1919	---	257 ON JUN 23	19 88 ON DEC 31	1 840 000	1919
1920	---	371 ON JUL 13	11 08 ON MAR 6 *	2 220 000	1920
1921	---	306 ON JUN 26	13 68 ON FEB 19	2 180 000	1921
1922	---	308 ON JUN 5	13 58 ON FEB 10	2 010 000	1922
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 280 000	MEAN

BOW RIVER NEAR MORLEY - STATION NO. 05BE001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	270	223	137	79.2	71.1	43.0	31.5	---	1910
1911	---	17.4	19.5	23.4	63.1	384	228	183	99.2	52.1	---	---	---	1911
MEAN	---	17.4	19.5	23.4	63.1	279	226	160	89.2	61.6	43.0	31.5	---	MEAN

LOCATION - LAT 51 10 20 N DRAINAGE AREA, 5 380 km²
LONG 114 51 00 W REGULATED

BOW RIVER NEAR MORLEY - STATION NO. 05BE001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1910	---	371 ON JUN 18	---	---	1910
1911	---	382 ON JUN 25 *	9.63 ON APR 13 *	---	1911
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

BOW RIVER NEAR SEEBE - STATION NO. 05BE004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1923	23.8	21.3	19.7	22.4	77.3	367	214	160	81.3	48.1	31.1	28.5	80.6	1923
1924	26.0	27.3	26.2	25.0	111	178	184	149	70.2	46.2	33.8	27.9	77.1	1924
1925	27.6	26.8	25.6	39.1	180	254	182	148	95.6	61.9	41.4	31.6	82.3	1925
1926	27.7	30.3	26.2	38.4	71.6	116	158	84.0	118	72.1	45.2	34.3	69.6	1926
1927	28.3	27.4	27.0	30.5	80.3	285	245	181	123	81.0	54.3	39.8	88.0	1927
1928	40.6	34.2	32.0	32.0	180	338	285	132	75.5	43.9	33.8	25.0	105	1928
1929	21.7	22.9	25.4	22.0	63.6	253	128	101	63.5	39.5	33.4	26.3	86.6	1929
1930	16.6	19.4	18.0	25.9	89.0	369	213	125	78.4	41.3	39.4	27.1	70.8	1930
1931	30.0	24.0	18.0	16.8	78.7	184	184	102	78.4	60.9	36.9	27.5	65.5	1931
1932	21.1	26.6	23.4	26.0	89.2	413	184	131	86.6	48.2	38.5	29.0	83.6	1932
1933	26.1	23.3	25.5	32.8	86.8	302	240	127	85.3	48.9	38.2	26.8	89.0	1933
1934	29.9	26.8	25.8	56.9	194	214	151	104	88.5	45.7	34.9	25.8	82.0	1934
1935	32.0	22.7	24.7	31.7	81.6	227	231	125	85.3	40.0	31.8	37.0	78.6	1935
1936	27.8	26.0	23.4	25.7	108	183	132	81.6	54.0	34.4	26.7	26.7	64.0	1936
1937	27.4	27.3	17.1	18.5	67.5	170	166	110	71.6	49.2	43.1	26.6	66.6	1937
1938	26.9	25.1	25.4	25.1	109	325	212	98.2	80.2	48.0	30.1	34.9	86.6	1938
1939	28.2	28.4	27.0	23.1	95.3	148	186	103	68.1	46.5	61.6	30.4	69.2	1939
1940	34.9	33.6	28.6	28.4	113	172	136	83.3	91.0	60.6	34.7	29.9	70.5	1940
1941	22.8	21.0	19.6	22.4	83.3	137	113	82.2	85.5	64.9	29.9	23.9	64.8	1941
1942	22.8	24.7	15.6	18.9	102	186	184	117	71.1	67.9	36.7	48.8	74.4	1942
1943	40.7	46.7	44.4	42.5	64.5	142	228	108	59.5	50.3	48.2	46.7	78.0	1943
1944	42.4	43.0	40.5	31.6	74.3	159	103	108	68.0	65.5	45.6	44.6	86.9	1944
1945	43.7	39.2	35.8	28.4	59.0	181	161	90.4	82.4	67.1	47.7	46.9	71.3	1945
1946	46.3	47.2	41.4	43.2	121	219	152	98.4	68.2	57.6	51.6	51.2	84.9	1946
1947	51.3	49.7	46.0	50.9	160	245	173	81.6	81.0	75.0	56.4	51.5	93.0	1947
1948	46.9	48.2	48.3	47.0	166	288	161	143	61.3	91.8	46.3	46.1	87.0	1948
1949	45.7	41.9	37.1	28.7	89.5	134	83.9	82.2	57.2	37.4	37.3	37.4	60.9	1949
1950	36.4	28.0	24.7	25.2	40.3	201	178	91.5	63.9	84.1	52.5	51.2	71.0	1950
1951	47.5	44.8	53.4	56.9	121	183	287	132	104	77.6	69.5	64.9	102	1951
1952	50.7	46.6	48.7	62.2	111	188	180	113	59.0	66.4	52.3	52.0	83.6	1952
1953	53.7	52.8	46.5	67.4	81.6	203	182	104	76.6	55.2	62.4	56.6	85.5	1953
1954	56.4	49.0	46.5	54.6	96.1	199	240	158	120	72.8	65.1	63.4	102	1954
1955	60.9	57.1	55.6	57.6	59.6	188	153	86.5	62.5	67.2	60.8	55.6	78.3	1955
1956	63.9	60.1	56.8	60.1	111	188	148	86.9	68.2	69.7	69.5	60.0	84.4	1956
1957	48.4	49.8	50.3	44.7	126	165	103	74.6	61.6	57.7	44.6	50.0	71.4	1957
1958	56.1	67.3	59.2	67.2	117	169	132	98.2	61.6	60.2	62.5	53.1	81.1	1958
1959	63.9	56.0	38.5	43.0	68.3	183	157	69.6	71.4	53.7	62.6	66.3	76.7	1959
1960	63.4	54.6	47.0	38.8	65.7	182	182	98.2	61.6	51.7	62.1	54.2	75.2	1960
1961	46.2	52.8	47.6	51.0	114	265	125	118	72.4	60.5	64.0	72.2	69.9	1961
1962	60.0	67.7	70.9	55.4	65.2	161	137	105	74.0	---	---	---	---	1962
1979	56.6	65.6	59.1	66.6	82.2	126	106	84.0	55.6	30.2	28.6	35.2	64.6	1979
1980	28.3	39.4	36.7	35.8	134	194	103	60.5	61.6	64.9	48.6	56.6	74.0	1980
1981	60.3	55.0	46.5	65.2	161	189	238	182	60.0	50.1	50.8	47.7	100	1981
1982	51.9	46.1	30.3	62.2	50.0	188	169	69.3	68.0	52.1	53.0	56.7	73.8	1982
1983	65.3	51.1	49.4	62.5	70.3	136	123	69.7	67.5	47.8	65.1	61.7	69.2	1983
1984	60.3	65.2	43.6	61.2	41.5	142	122	64.6	78.1	53.5	47.7	43.2	67.7	1984
1985	40.8	44.5	60.7	65.3	78.0	124	124	82.4	71.7	61.2	36.8	42.0	65.2	1985
1986	48.0	50.2	51.6	68.9	89.9	302	187	99.9	66.0	48.6	59.2	71.9	92.0	1986
MEAN	41.4	40.2	37.4	38.3	85.0	208	168	108	76.9	52.2	44.8	42.9	70.5	MEAN

LOCATION - LAT 51 07 10 N DRAINAGE AREA, 5 170 km²
LONG 115 02 00 W REGULATED SINCE 1911

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

REMARKS - UNPUBLISHED WATER LEVELS ARE AVAILABLE FROM REGIONAL OFFICE

BOW RIVER NEAR SEEBE - STATION NO. 05BE004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1923	897 AT 11:00 MST ON JUN 15	883 ON JUN 15	19.9 ON MAR 18	2 880 000	1923
1924	337 AT 21:00 MST ON JUL 9	334 ON JUL 9	15.6 B ON DEC 17	2 440 000	1924
1925	392 AT 14:00 MST ON JUN 23	343 ON JUN 23	17.6 E ON MAR 15	2 910 000	1925
1926	274 AT 22:15 MST ON JUL 10	212 ON JUL 9	16.1 ON JAN 6	2 200 000	1926
1927	583 AT 12:00 MST ON JUN 27	411 ON JUN 11	17.6 ON MAR 27	3 090 000	1927
1928	515 AT 09:00 MST ON JUN 23	493 ON JUN 29	9.408 ON DEC 6	3 330 000	1928
1929	599 AT 01:00 MST ON JUN 3	555 ON JUN 3	9.46 ON APR 21	2 100 000	1929
1930	453 AT 11:00 MST ON JUN 8	374 ON JUN 8	19.5 B ON JAN 29	2 920 000	1930
1931	376 ON JUN 19	285 ON JUN 19	9.40 ON MAR 11	2 100 000	1931
1932	803 AT 17:00 MST ON JUN 2 *	782 ON JUN 3 *	13.2 B ON JAN 13	2 980 000	1932
1933	705 AT 14:00 MST ON JUN 17	583 ON JUN 18	16.3 ON JAN 17	2 810 000	1933
1934	430 AT 23:00 MST ON MAY 31	416 ON MAY 31	8.35 ON DEC 26	2 880 000	1934
1935	309 AT 16:00 MST ON JUN 1	289 ON JUN 17	15.3 ON FEB 8	2 480 000	1935
1936	343 AT 11:00 MST ON MAY 30	334 ON JUN 2	11.6 B ON DEC 6	3 020 000	1936
1937	306 AT 14:30 MST ON JUN 19	232 ON JUN 18	11.8 B ON MAR 30	2 100 000	1937
1938	453 AT 20:30 MST ON JUN 22	419 ON JUN 23	11.3 B ON JAN 30	2 740 000	1938
1939	328 AT 15:00 MST ON JUL 3	306 ON JUL 2	13.7 ON DEC 26	2 180 000	1939
1940	306 AT 07:30 MST ON MAY 27	280 ON MAY 26	10.3 ON DEC 16	2 230 000	1940
1941	279 AT 17:00 MST ON JUN 19	173 ON JUN 19	5.85 ON DEC 26 *	1 730 000	1941
1942	459 AT 10:00 MST ON JUN 9	289 ON JUN 8	10.8 ON JAN 2	2 380 000	1942
1943	388 AT 15:30 MST ON JUL 27	330 ON JUL 10	27.6 ON JAN 16	2 460 000	1943
1944	380 AT 09:00 MST ON JUL 9	315 ON JUN 13	23.0 ON APR 24	3 130 000	1944
1945	419 AT 09:00 MST ON MAY 31	374 ON JUN 22	30.6 ON APR 22	3 290 000	1945
1946	402 AT 10:00 MST ON MAY 26	323 ON MAY 26	30.8 ON NOV 18	3 880 000	1946
1947	413 AT 09:30 MST ON JUN 3	306 ON JUN 12	33.3 ON MAR 30	2 930 000	1947
1948	488 AT 09:45 MST ON MAY 25	419 ON MAY 26	33.6 ON DEC 25	3 070 000	1948
1949	268 AT 07:10 MST ON MAY 16	183 ON JUN 8	24.3 ON NOV 7	1 920 000	1949
1950	344 AT 12:00 MST ON JUN 22	343 ON JUN 22	11.0 ON APR 3	2 260 000	1950
1951	385 AT 11:00 MST ON JUL 7	331 ON JUL 7	30.6 ON FEB 11	3 220 000	1951
1952	283 AT 05:00 MST ON JUL 8	249 ON JUL 6	37.4 ON FEB 17	2 660 000	1952
1953	368 AT 12:30 MST ON JUN 13	364 ON JUN 14	23.1 ON APR 12	2 700 000	1953
1954	334 AT 21:30 MST ON JUN 16	323 ON JUL 6	31.9 ON APR 19	3 220 000	1954
1955	368 AT 16:00 MST ON JUN 24	281 ON JUN 28	38.2 ON MAY 6	2 610 000	1955
1956	411 AT 14:00 MST ON JUN 6	297 ON JUN 6	32.0 ON DEC 4	2 670 000	1956
1957	220 AT 15:00 MST ON JUN 5	203 ON MAY 31	34.5 ON APR 21	2 260 000	1957
1958	340 AT 06:00 MST ON JUN 11	215 ON JUN 11	25.7 ON APR 20	2 580 000	1958
1959	317 AT 11:00 MST ON JUN 23	249 ON JUN 24	27.1 ON MAR 3	2 480 000	1959
1960	256 AT 14:00 MST ON JUL 1	217 ON JUL 2	23.2 ON APR 3	3 280 000	1960
1961	411 AT 12:00 MST ON JUN 6	386 ON JUN 6	29.7 ON MAR 5	2 840 000	1961
1962	276 AT 12:00 MST ON JUN 27	250 ON JUN 27	25.5 ON MAY 13	---	1962
1978	---	196 ON MAY 26	18.7 ON NOV 3	2 080 000	1978
1980	---	285 ON JUN 19	13.6 ON NOV 12	2 360 000	1980
1981	378 ON MAY 26	363 ON MAY 27	34.6 ON APR 26	3 150 000	1981
1982	312 AT 11:00 MST ON JUN 17	297 ON JUN 23	25.6 ON MAY 16	2 230 000	1982
1983	245 AT 13:15 MST ON MAY 31	212 ON JUN 1	35.3 ON APR 22	3 180 000	1983
1984	---	208 ON JUL 1	23.1 ON OCT 28	3 140 000	1984
1985	---	205 ON MAY 26	19.0 ON NOV 11	2 050 000	1985
1986	---	409 ON JUN 3	30.2 ON JAN 9	2 800 000	1986
				2 910 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BOW RIVER NEAR THE MOUTH - STATION NO. 05BB001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	---	---	---	---	---	35.5	18.9	83.4	72.4	64.7	---	1984
1985	65.6	60.7	60.8	172	107	309	389	158	133	136	103	74.7	145	1985
1986	74.7	66.8	110	123	145	302	329	96.7	72.3	70.4	78.1	74.8	120	1986
1987	70.5	70.4	86.8	176	185	591	223	90.6	82.6	91.8	84.2	84.6	104	1987
1988	73.9	82.8	78.8	81.7	90.3	191	117	73.4	63.5	82.3	84.4	64.5	83.8	1988
1989	61.3	60.9	72.6	185	219	398	387	165	93.5	83.1	80.3	38.4	135	1989
1970	65.7	93.9	82.7	83.8	106	281	126	95.0	35.8	87.0	82.6	67.5	82.1	1970
1971	81.5	85.5	84.9	144	191	284	83.4	71.4	30.9	38.7	65.0	30.5	68.9	1971
1972	45.8	48.5	86.5	80.7	181	378	266	183	100	90.6	80.2	91.0	129	1972
1973	83.5	84.6	103	88.7	132	247	131	66.7	37.2	46.5	58.3	83.1	89.7	1973
1974	89.8	93.2	91.1	138	206	344	184	95.3	55.8	81.8	82.3	119	119	1974
1975	88.3	86.7	88.4	134	134	221	185	80.7	48.1	84.5	72.8	48.0	82.2	1975
1976	83.6	74.8	82.6	80.8	131	111	122	178	85.1	86.5	62.8	40.7	81.0	1976
1977	38.1	80.9	72.3	48.3	84.1	66.8	28.5	60.5	42.7	33.0	28.1	37.6	48.0	1977
1978	86.9	93.7	122	86.1	196	267	138	76.7	80.6	80.6	67.3	86.2	104	1978
1979	80.3	87.0	118	88.7	112	81.0	61.1	28.8	21.8	28.0	48.5	30.8	81.8	1979
1980	83.9	86.0	81.6	111	137	280	99.3	68.7	31.3	86.7	81.5	80.8	78.5	1980
1981	77.8	74.0	76.9	76.6	232	303	262	171	80.0	30.0	86.7	37.1	121	1981
1982	48.6	86.7	80.2	86.2	86.8	178	148	35.8	28.3	43.8	81.0	80.1	72.7	1982
1983	86.8	88.0	80.0	85.0	78.6	187	86.1	38.8	33.0	19.8	68.8	25.7	87.8	1983
1984	87.1	70.2	81.6	63.2	16.2	86.7	60.8	31.3	18.2	10.3	38.9	62.8	63.8	1984
1985	85.6	38.3	77.3	83.3	39.6	88.8	25.8	25.8	85.7	86.3	63.7	88.1	80.8	1985
1986	83.0	86.0	86.3	86.7	82.2	265	119	46.2	43.2	129	80.3	78.2	87.1	1986
MEAN	87.8	82.2	80.1	103	118	235	161	77.7	83.8	88.1	80.3	81.7	92.8	MEAN

LOCATION - LAT 50 02 47 N
LONG 111 35 28 W
DRAINAGE AREA 25 300 km^2
REGULATED SINCE 1911

BOW RIVER NEAR THE MOUTH - STATION NO 05BN012

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	---	---	---	---	1964
1965	---	750 ON JUN 20	27 7 B ON DEC 31	4 610 000	1965
1966	521 AT 09 00 MST ON JUN 7	510 ON JUN 7	26 9 B ON JAN 1	3 800 000	1966
1967	1 270 AT 14 00 MST ON JUN 2 *	1 230 ON JUN 2 *	24 1 B ON NOV 21	4 540 000	1967
1968	---	251 ON JUN 17	11 5 ON MAY 5	2 610 000	1968
1969	1 070 AT 14 10 MST ON JUL 1	897 ON JUL 1	25 8 B ON DEC 12	4 260 000	1969
1970	750 AT 17 40 MST ON JUN 16	697 ON JUN 16	9 57 ON OCT 1	2 590 000	1970
1971	705 AT 04 00 MST ON JUN 8	666 ON JUN 8	14 6 ON SEP 28	2 800 000	1971
1972	---	501E ON JUN 12	25 5 B ON DEC 3	4 010 000	1972
1973	379 AT 10 20 MST ON MAY 29	368 ON JUN 28	16 3 ON SEP 30	2 830 000	1973
1974	592 AT 00 40 MST ON JUN 21	586 ON JUN 20	24 2 ON OCT 14	3 700 000	1974
1975	854 AT 10 50 MST ON JUN 22	555 ON JUN 22	23 5 ON SEP 18	2 510 000	1975
1976	459 AT 07 30 MST ON AUG 8	413 ON AUG 8	24 5 ON OCT 17	2 880 000	1976
1977	139 AT 09 30 MST ON AUG 18	136 ON JUN 13	3 28 ON MAY 4	1 390 000	1977
1978	385 AT 15 00 MST ON JUN 8	385 ON JUN 8	35 4 ON AUG 16	3 280 000	1978
1979	---	208 ON MAY 30	13 7 E ON OCT 27	1 950 000	1979
1980	494 AT 06 05 MST ON MAY 29	424 ON MAY 29	16 3 ON SEP 12	2 520 000	1980
1981	732 AT 06 00 MST ON MAY 28	718 ON MAY 28	12 5 ON MAY 6	3 830 000	1981
1982	322 AT 08 25 MST ON JUL 2	301 ON JUL 2	16 0 ON OCT 6	2 290 000	1982
1983	194 AT 11 35 MST ON JUN 2	186A ON JUN 2	9 45 ON OCT 21	1 820 000	1983
1984	170 AT 14 55 MST ON JUN 20	159 ON JUL 5	3 008 ON OCT 30	1 380 000	1984
1985	332 AT 11 16 MST ON SEP 15	325 ON SEP 15	9 20E ON SEP 4	1 610 000	1985
1986	440 AT 08 20 MST ON JUN 2	415 ON JUN 2	2 77 ON MAY 10 *	2 750 000	1986
				2 930 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BOXELDER CREEK AT HARGRAVE'S RANCH - STATION NO 05AH050

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR FEB TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1986	---	---	---	---	---	0 065	0	0	1 03	1 28	0 636	---	---	1986
MEAN	---	---	---	---	---	0 065	0	0	1 03	1 28	0 636	---	---	MEAN

LOCATION - LAT 50 00 43 N
LONG 109 59 14 W

BOXELDER CREEK AT HARGRAVE'S RANCH - STATION NO 05AH050

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR FEB TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1986	8 10 AT 15 03 MST ON SEP 28 *	7 98 ON SEP 29 *	08 ON FEB 25 *	---	1986
				---	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BOYER RIVER NEAR FORT VERMILION - STATION NO 07JF002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1962	---	---	---	---	28 0	16 4	23 2	5 85	7 58	3 43	---	---	---	1962
1963	---	---	0	23 3	59 6	6 67	0 730	1 17	0 180	0 140	---	---	11 5	1963
1964	---	---	0 031	2 00	14 4	2 15	0 118	0 183	0 067	0 015	---	---	2 38	1964
1965	---	---	0	2 39	6 99	0 251	0 027	0 012	0 013	0 009	---	---	1 22	1965
1966	---	---	0 006	0 508	6 60	0 350	0 094	0 037	0 017	0 013	---	---	0 961	1966
1967	---	---	0 004	0 114	10 0	1 38	0 189	0 267	0 101	0 368	---	---	1 57	1967
1968	---	---	0 053	11 6	21 3	1 27	1 04	0 452	0 054	0 095	---	---	4 49	1968
1969	---	---	0 035	25 6	41 2	3 69	0 221	0 023	0 024	0 025	---	---	8 84	1969
1970	---	---	0 024	1 93	4 29	2 54	0 180	0 001	0 001	0 004	0 001	0	1 12	1970
1971	0	0	0	0 501	2 65	0 018	0	0	0 009	0 002	---	---	0 400	1971
1972	---	---	0 002	1 72	47 5	1 61	0 127	0 039	0 006	0 023	---	---	6 45	1972
1973	---	---	0 037	4 00	4 79	3 73	2 81	5 68	5 16	3 58	---	---	3 84	1973
1974	---	---	0 011	39 5	88 9	13 9	3 42	1 07	0 589	0 394	---	---	18 5	1974
1975	---	---	0 053	7 38	13 0	3 63	2 07	0 232	0 155	0 286	---	---	3 34	1975
1976	---	---	0 127	18 6	11 2	6 83	3 01	5 11	5 59	4 85	---	---	7 00	1976
1977	---	---	0 140	9 37	10 2	32 2	9 88	0 521	0 012	0 030	---	---	7 73	1977
1978	---	---	0 050	1 45	11 0	7 56	0 524	0 024	2 00	5 01	---	---	3 47	1978
1979	---	---	0 164	1 45	87 6	59 7	10 0	0 726	0 216	0 405	---	---	20 0	1979
1980	---	---	0 008	1 88	0 350	0 182	0 026	0 005	0 003	0 005	---	---	0 313	1980
1981	---	---	0 054	3 26	18 8	0 522	0 039	0 008	0 001	0 004	---	---	2 85	1981
1982	---	---	0 055	1 12	2 55	0 034	0 002	0 012	0 003	0 003	---	---	0 474	1982
1983	---	---	0 002	3 87	4 53	0 711	0 005	0 007	0 003	0 002	---	---	1 14	1983
1984	---	---	0	0 163	0 077	0 014	0 784	0 011	0 017	0 530	---	---	0 201	1984
1985	---	---	0 070	9 18	22 1	1 52	0 010	0 016	0 008	0 812	---	---	4 23	1985
1986	---	---	0 090	4 42	10 2	4 85	5 07	0 521	0 013	0 037	---	---	3 17	1986
MEAN	0	0	0 042	7 31	21 1	5 87	2 55	0 919	0 913	0 807	0 001	0	4 80	MEAN

LOCATION - LAT 58 26 42 N
LONG 116 16 10 W
DRAINAGE AREA 8 860 km^2
NATURAL FLOW

BOYER RIVER NEAR FORT VERMILION - STATION NO 07JF002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1962	---	---	---	---	1962
1963	---	117 ON MAY 3	0 B ON MAR 1 *	244 000	1963
1964	---	21.2 ON MAY 7	0 ON OCT 20	60 300	1964
1965	---	17.8 ON APR 29	0 B ON MAR 1	25 700	1965
1966	---	13.8 ON MAY 13	0 B ON MAR 1	20 400	1966
1967	---	18.2 ON MAY 12	0.0038 ON MAR 1	33 300	1967
1968	---	51.6 ON MAY 5	0.017 ON SEP 30	85 100	1968
1969	79.9 A AT 20 15 MST ON MAY 2	79.6 A ON MAY 2	0.0038 ON OCT 28	187 000	1969
1970	12.1 AT 14 30 MST ON MAY 1	11.6 ON MAY 1	0 ON AUG 9	23 700	1970
1971	8.81 AT 13 30 MST ON MAY 1	8.44 ON MAY 1	0 B ON MAR 1	8 470	1971
1972	88.6 AT 11 30 MST ON MAY 10	88.3 ON MAY 10	0.0018 ON MAR 1	136 000	1972
1973	15.9 AT 02 00 MST ON AUG 26	15.6 ON AUG 26	0.0038 ON MAR 6	61 400	1973
1974	214 A AT 13 30 MST ON MAY 1 *	212 A ON MAY 2 *	0.0048 ON MAR 26	391 000	1974
1975	35.1 AT 20 30 MST ON MAY 1	34.5 ON MAY 1	0.0109 ON MAR 21	70 800	1975
1976	36.6 AT 17 20 MST ON APR 21	36.2 ON APR 22	0.0818 ON MAR 1	148 000	1976
1977	58.9 AT 08 50 MST ON JUN 15	58.9 ON JUN 15	0.005 ON SEP 12	164 000	1977
1978	23.5 AT 09 30 MST ON MAY 30	23.3 ON MAY 30	0.005 ON AUG 30	73 400	1978
1979	117 AT 22 00 MST ON MAY 19	117 ON MAY 19	0.031 ON SEP 6	425 000	1979
1980	5.41 AT 17 00 MST ON APR 19	4.56 ON APR 23	0 B ON MAR 1	6 620	1980
1981	38.4 AT 12 00 MST ON MAY 7	38.4 ON MAY 7	0 ON SEP 15	80 400	1981
1982	5.87 AT 22 00 MST ON MAY 5	5.29 ON MAY 10	0.001 ON JUL 15	10 000	1982
1983	19.3 B AT 22 00 MST ON APR 25	18.0 B ON APR 25	0.0018 ON MAR 21	24 000	1983
1984	3.14 AT 10 30 MST ON OCT 27	2.01 ON JUL 12	0 B ON MAR 1	4 260	1984
1985	40.7 AT 12 30 MST ON MAY 11	40.3 ON MAY 11	0.003 ON SEP 9	89 600	1985
1986	14.5 B AT 12 30 MST ON APR 22	14.4 ON MAY 9	0.004 ON OCT 23	87 100	1986
				102 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BOYER RIVER NEAR PADDLE PRAIRIE - STATION NO 07JF004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1979	---	---	0	0.710	2.41	0.858	0.113	0.012	0.003	0.001	---	---	0.489	1979
1980	---	---	0	0.018	0.001	0	0	0	0	0	---	---	0.002	1980
1981	---	---	0	1.01	0.522	0	0	0	0	0	---	---	0.190	1981
1982	---	---	0	0.223	0.198	0	0	0	0	0	---	---	0.052	1982
1983	---	---	0	0.381	0.101	0.005	0.006	0.001	0	0	---	---	0.081	1983
1984	---	---	0	0	0	0.001	0	0	0	0	---	---	0	1984
1985	---	---	0.047	1.13	0.157	0	0	0	0	0.001	---	---	0.184	1985
1986	---	---	0.019	0.475	0.057	0.002	0.001	0	0	0	---	---	0.088	1986
MEAN	---	---	0.008	0.494	0.431	0.083	0.015	0.002	0	0	---	---	0.128	MEAN

LOCATION - LAT 57 54 30 N LONG 117 36 45 W DRAINAGE AREA 84.3 km^2 NATURAL FLOW

BOYER RIVER NEAR PADDLE PRAIRIE - STATION NO 07JF004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1979	21.4 AT 06 00 MST ON MAY 1 *	18.8 ON MAY 1 *	08 ON MAR 1 *	10 400	1979
1980	0.133 AT 22 00 MST ON APR 18	0.087 ON APR 18	08 ON MAR 1	50.4	1980
1981	10.8 E AT 01 00 MST ON APR 27	8.43 A ON APR 27	08 ON MAR 1	4 030	1981
1982	1.76 AT 00 00 MST ON APR 28	1.55 ON APR 28	08 ON MAR 1	1 110	1982
1983	5.07 AT 15 00 MST ON APR 20	3.14 ON APR 21	08 ON MAR 1	1 290	1983
1984	0.022 AT 22 00 MST ON JUN 30	0.014 ON JUN 30	08 ON MAR 1	5.19	1984
1985	5.41 B AT 06 30 MST ON APR 4	3.56 B ON APR 4	08 ON MAR 1	3 480	1985
1986	2.90 B AT 07 00 MST ON APR 9	1.95 B ON APR 9	08 ON MAR 1	1 440	1986
				2 720	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BRAZEAU RIVER BELOW BRAZEAU PLANT - STATION NO. 05DD005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1957	---	---	---	---	127	100	82.9	81.7	59.5	40.3	28.5	---	---	1957
1958	---	---	---	---	149	175	157	86.4	43.7	25.8	---	---	---	1958
1959	---	---	---	---	83.6	202	124	61.6	53.6	42.1	---	---	---	1959
1960	---	---	---	---	70.3	126	149	68.8	35.8	29.5	---	---	---	1960
1961	---	---	---	---	76.1	114	111	90.0	39.0	0.858	5.88	25.8	---	1961
1962	30.1	36.3	27.6	7.77	103	93.9	132	17.1	0.071	8.96	85.3	41.4	47.1	1962
1963	38.0	41.7	36.5	51.3	72.4	98.9	107	2.49	0.071	1.13	28.1	37.2	43.0	1963
1964	36.2	35.9	43.3	35.2	85.2	219	80.6	0.113	0.113	36.2	53.4	38.6	53.5	1964
1965	27.9	61.5	77.3	36.0	72.3	255	226	53.8	52.2	89.4	40.8	40.7	84.6	1965
1966	62.5	46.7	41.0	36.6	82.1	81.7	160	131	17.2	45.7	43.1	39.5	62.8	1966
1967	54.5	55.3	46.3	28.7	71.1	186	88.8	6.54	15.0	6.45	25.3	42.4	50.6	1967
1968	58.0	62.4	69.8	34.6	85.3	56.9	0.697	91.8	23.1	32.9	32.5	49.8	48.3	1968
1969	58.7	36.4	38.1	47.7	80.7	84.1	166	120	42.9	5.20	32.4	49.9	60.5	1969
1970	48.8	44.9	38.5	22.0	58.8	95.2	95.2	17.0	8.53	9.04	38.2	49.5	43.5	1970
1971	35.9	22.6	29.0	12.1	12.5	148	140	89.7	10.1	26.7	40.3	41.4	48.2	1971
1972	45.4	42.2	41.9	27.2	32.1	144	181	98.1	56.1	79.8	52.2	39.3	68.4	1972
1973	31.2	55.2	32.8	36.8	106	80.3	59.6	65.9	17.8	31.1	58.8	28.2	50.4	1973
1974	34.9	37.5	23.6	36.0	74.2	112	108	56.6	47.9	35.4	30.2	37.0	53.0	1974
1975	54.1	22.9	8.09	39.2	38.6	46.3	27.4	46.7	31.3	3.05	26.9	45.4	32.5	1975
1976	43.3	25.9	21.4	19.6	84.4	69.3	29.5	81.8	52.9	28.4	27.3	27.3	39.3	1976
1977	40.8	23.0	2.96	37.0	47.0	127	81.3	107	71.8	48.4	29.6	51.1	54.8	1977
1978	43.8	25.2	11.0	8.58	54.2	167	155	70.2	84.6	43.8	52.5	51.3	64.1	1978
1979	45.9	27.5	10.7	25.9	86.2	34.3	58.4	37.9	28.0	9.32	22.2	36.3	33.8	1979
1980	30.2	35.0	48.7	44.8	19.5	283	117	65.0	41.7	52.0	50.8	51.4	68.1	1980
1981	30.6	47.0	41.6	22.5	75.8	47.2	141	115	32.0	26.2	42.0	41.9	55.5	1981
1982	62.3	36.8	16.0	20.3	38.1	86.2	200	40.5	43.8	51.9	34.6	82.1	57.0	1982
1983	56.1	42.5	16.2	36.2	40.1	57.8	83.5	31.1	17.6	15.2	25.5	46.6	39.2	1983
1984	35.7	38.4	19.9	32.8	23.7	88.4	46.1	36.2	38.1	46.4	40.4	36.3	38.5	1984
1985	35.4	45.5	41.2	40.4	41.4	45.5	42.8	27.1	83.6	41.5	43.6	56.9	43.7	1985
1986	46.5	30.9	29.3	52.0	80.3	80.0	243	79.1	56.6	73.0	37.5	47.8	68.3	1986
MEAN	43.5	38.2	32.5	31.8	84.0	116	111	59.9	36.2	32.3	37.4	42.1	52.4	MEAN

LOCATION - LAT 52 54 45 N
LONG 115 21 50 W

DRAINAGE AREA 5 880 km²
REGULATED SINCE 1960

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

BRAZEAU RIVER BELOW BRAZEAU PLANT - STATION NO. 05DD005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1957	289 AT 19 45 MST ON MAY 20	216 ON MAY 3	---	---	1957
1958	544 AT 05 00 MST ON JUN 28	504 ON JUN 29	---	---	1958
1959	493 AT 15 00 MST ON JUN 27	416 ON JUN 27	---	---	1959
1960	371 AT 05 30 MST ON JUL 2	337 ON JUL 2	---	---	1960
1961	386 AT 13 50 MST ON JUL 30	326 ON JUL 30	0.057 ON OCT 2	---	1961
1962	433 AT 12 00 MST ON JUN 7	314 ON JUL 12	0.028 ON AUG 6	1 490 000	1962
1963	385 AT 16 00 MST ON APR 29	284 ON APR 30	0 E ON AUG 3 *	1 360 000	1963
1964	535 AT 19 00 MST ON JUN 19	411 ON JUN 20	0.113 ON JUL 19	1 690 000	1964
1965	549 AT 16 00 MST ON JUN 29	496 ON JUN 29	0.142E ON AUG 18	2 670 000	1965
1966	680 AT 07 30 MST ON JUL 5 *	575 ON JUL 5	0.142E ON APR 29	1 980 000	1966
1967	309 AT 12 00 MST ON JUN 23	190 ON JUN 26	0.425 ON OCT 29	1 590 000	1967
1968	282 AT 17 00 MST ON AUG 19	199 ON SEP 10	0.227E ON JUL 11	1 530 000	1968
1969	345 AT 23 00 MST ON JUL 5	270 ON JUL 8	1.59 ON NOV 7	1 910 000	1969
1970	311 AT 14 00 MST ON DEC 4	234 ON DEC 4	0.736 ON SEP 11	1 380 000	1970
1971	---	257 ON JUN 10	0.808 ON AUG 29	1 550 000	1971
1972	---	513 ON JUN 27	1.13 ON JUN 6	2 160 000	1972
1973	---	208 ON MAY 8	0.863 ON SEP 15	1 590 000	1973
1974	317 AT 16 15 MST ON JUN 26	194 ON JUL 22	0.863 ON NOV 16	1 670 000	1974
1975	---	130 ON DEC 12	0.793 ON MAR 26	1 030 000	1975
1976	---	147 ON JAN 8	0.738 ON MAR 31	1 240 000	1976
1977	---	226 ON JUN 3	0.368 ON MAR 26	1 730 000	1977
1978	334 AT 05 00 MST ON JUL 12	309 ON JUL 12	0.425 ON APR 29	2 020 000	1978
1979	---	131 ON MAY 26	3.88 ON JUN 14	1 070 000	1979
1980	---	484 ON JUN 6	1.70 ON MAY 16	2 150 000	1980
1981	430 AT 18 15 MDT ON JUL 26	376 ON JUL 26	0.800 ON OCT 3	1 750 000	1981
1982	657 AT 13 40 MST ON JUL 10	527 ON JUL 8	0.752 ON MAR 13	1 800 000	1982
1983	---	140 ON JUL 7	0.828 ON OCT 5	1 240 000	1983
1984	---	137 ON JUN 19	0.915 ON JUN 3	1 220 000	1984
1985	---	152 ON SEP 15	0.652 ON SEP 1	1 380 000	1985
1986	---	1 080 ON JUL 18 *	0.681 ON FEB 23	2 190 000	1986
				1 650 000	MEAN

E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BRAZEAU RIVER BELOW CARDINAL RIVER - STATION NO. 05DD007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1961	---	---	---	---	41.7	89.2	72.0	59.5	30.2	---	---	---	---	1961
1962	---	---	---	---	31.5	68.8	79.7	56.1	38.1	21.2	---	---	49.1	1962
1963	---	---	---	---	30.3	85.0	74.3	50.4	35.9	20.0	---	---	46.1	1963
1964	---	---	---	---	---	138	93.7	41.9	47.1	36.2	---	---	---	1964
1965	---	---	---	---	---	135	149	76.4	57.2	40.2	---	---	---	1965
1971	---	---	---	---	---	---	75.8	53.7	27.5	18.6	---	---	---	1971
1972	---	---	---	---	42.8	146	94.6	58.4	45.9	28.8	---	---	70.8	1972
1973	---	---	---	---	57.8	84.5	85.0	49.3	30.2	---	---	---	---	1973
1974	---	---	---	---	32.8	109	76.3	52.4	34.9	23.6	---	---	55.0	1974
1975	---	---	---	---	22.5	48.8	70.1	39.6	24.2	14.6	---	---	36.8	1975
1976	---	---	---	---	38.2	50.2	80.9	67.2	34.2	18.4	---	---	51.6	1976
1977	---	---	---	---	45.8	90.2	70.6	79.6	51.3	27.3	---	---	80.7	1977
1978	---	---	---	---	41.9	114	122	83.1	59.1	30.3	---	---	71.7	1978
1979	---	---	---	---	32.5	70.1	83.8	47.6	28.9	17.6	---	---	43.3	1979
1980	---	---	---	---	43.2	184	80.0	58.4	38.8	28.9	---	---	58.5	1980
1981	---	---	---	---	53.7	46.4	85.3	77.0	42.1	23.0	---	---	56.7	1981
1982	---	---	---	---	29.1	112	119	54.6	38.0	25.0	---	---	63.7	1982
1983	---	---	---	---	39.2	72.1	85.8	41.4	23.5	17.4	---	---	43.2	1983
1984	---	---	---	---	17.5	87.5	88.7	48.9	31.5	26.5	---	---	46.8	1984
1985	---	---	---	---	39.3	54.9	82.0	62.6	52.9	27.3	---	---	48.8	1985
1986	---	---	---	---	88.8	109	128	82.2	40.5	35.4	---	---	73.9	1986
MEAN	---	---	---	---	39.9	92.8	85.7	58.6	38.8	25.5	---	---	55.5	MEAN

LOCATION - LAT 52 52 50 N DRAINAGE AREA, 2 590 km²
LONG 116 34 40 W NATURAL FLOW

BRAZEAU RIVER BELOW CARDINAL RIVER - STATION NO. 05DD007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1961	---	183 ON JUN 8	---	---	1961
1962	---	127 ON JUN 25	12.2 ON MAY 7	781 000	1962
1963	---	134 ON JUL 15	14.1 E ON OCT 27	732 000	1963
1964	---	244 ON JUN 18	---	---	1964
1965	---	237 ON JUL 9	---	---	1965
1971	---	---	---	---	1971
1972	382 AT 17 00 MST ON JUN 25	351 ON JUN 25	14.7 ON MAY 9	1 130 000	1972
1973	361 AT 15 20 MST ON JUN 24	185 ON JUN 24	---	---	1973
1974	329 AT 03 50 MST ON JUN 17	210 ON JUN 17	20.5 E ON OCT 31	874 000	1974
1975	117 AT 18 00 MST ON JUL 13	105 ON JUL 14	10.9 B ON OCT 31	585 000	1975
1976	137 AT 03 00 MST ON AUG 7	129 ON AUG 7	12.9 ON OCT 31	820 000	1976
1977	182 AT 05 30 MST ON JUN 8	182 ON JUN 8	10.6 ON MAY 1	985 000	1977
1978	382 AT 23 00 MST ON JUL 11	283 ON JUL 12	24.7 ON OCT 30	1 140 000	1978
1979	163 AT 04 00 MST ON MAY 27	126 ON MAY 27	15.0 E ON OCT 31	889 000	1979
1980	688 AT 10 00 MST ON JUN 4 *	546 ON JUN 4 *	22.0 E ON OCT 31	1 090 000	1980
1981	194 AT 18 35 MST ON JUL 24	190E ON JUL 15	17.6 ON MAY 7	902 000	1981
1982	289 AT 18 40 MST ON JUL 5	262 ON JUL 5	13.3 B ON MAY 1	1 010 000	1982
1983	188 AT 16 10 MST ON JUN 24	125 ON JUN 24	14.7 ON OCT 25	688 000	1983
1984	140 AT 05 25 MST ON JUN 16	102 ON JUN 16	9.98 ON MAY 5	745 000	1984
1985	138 AT 09 05 MST ON SEP 13	118 ON SEP 13	15.2 A ON MAY 7	791 000	1985
1986	318 AT 23 54 MST ON JUL 17	273A ON JUL 18	9.02E ON MAY 1 *	1 170 000	1986
				882 000	MEAN

A - MANUAL GAUGE B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
(SEE REFERENCE INDEX) E - ESTIMATED

BREWSTER CREEK NEAR BANFF - STATION NO. 05BB004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	0.113	0.084	0.027	0.177	4.18	8.54	3.91	1.30	0.879	0.406	0.220	0.084	3.14	1971
1972	0.062	0.057	0.019	0.008	---	---	---	---	---	0.732	0.582	0.284	---	1972
1973	0.206	0.150	0.088	0.074	2.49	5.55	3.70	1.34	0.799	0.501	0.281	0.221	2.39	1973
1974	0.133	0.073	0.031	0.027	0.832	8.84	4.26	1.71	0.710	0.384	---	---	2.73	1974
1975	---	---	---	---	0.326	3.04	3.86	1.83	0.951	0.493	---	---	1.88	1975
1976	---	---	---	---	2.27	3.98	4.89	2.53	1.67	0.630	---	---	2.86	1976
1977	---	---	---	---	0.995	3.29	1.30	1.47	1.03	0.453	---	---	1.42	1977
1978	---	---	---	---	0.940	5.83	3.36	1.12	0.789	0.600	---	---	2.22	1978
1979	---	---	---	---	1.01	3.84	1.89	0.859	0.360	0.173	---	---	1.31	1979
1980	---	---	---	---	3.54	5.07	1.70	1.34	0.836	0.723	---	---	2.21	1980
1981	---	---	---	---	3.89	3.86	6.14	2.32	0.771	0.386	---	---	2.90	1981
1982	---	---	---	---	1.33	7.30	3.41	1.56	0.837	0.538	---	---	2.49	1982
1983	---	---	---	---	1.46	3.34	2.42	0.918	0.584	0.322	---	---	1.50	1983
1984	---	---	---	---	0.543	4.73	2.47	1.11	0.978	0.570	---	---	1.72	1984
1985	---	---	---	---	2.41	3.86	1.77	1.01	1.29	0.594	---	---	1.78	1985
1986	---	---	---	---	2.59	6.40	3.67	1.84	0.714	0.770	---	---	2.82	1986
MEAN	0.126	0.086	0.039	0.072	1.91	5.20	3.24	1.44	0.873	0.517	0.354	0.183	2.18	MEAN

LOCATION - LAT 51 05 15 N DRAINAGE AREA, 109 km²
LONG 115 39 15 W NATURAL FLOW

BREWSTER CREEK NEAR BANFF - STATION NO. 05BB004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	---	12.3 E ON JUN 7	0.3458 ON OCT 26	49 900	1971
1972	---	---	---	---	1972
1973	---	11.3 E ON JUN 24	0.1138 ON MAY 1	38 000	1973
1974	---	19.8 E ON JUN 17 *	0.113E ON MAY 1	43 400	1974
1975	13.1 AT 19:30 MST ON JUL 11	6.88 ON JUL 5	0.0068 ON MAY 1 *	25 800	1975
1976	12.5 AT 11:30 MST ON JUL 1	11.5 ON JUL 1	0.263 ON MAY 1	42 300	1976
1977	12.8 AT 23:59 MST ON JUN 8	11.6 ON JUN 8	0.311A ON OCT 31	22 500	1977
1978	14.0 AT 23:00 MST ON JUN 5	12.3 ON JUN 6	0.261E ON MAY 6	35 400	1978
1979	8.82 AT 04:00 MST ON MAY 27	7.63 ON MAY 27	0.0808 ON MAY 1	20 900	1979
1980	10.0 AT 01:10 MST ON JUN 11	8.71 ON MAY 26	0.392A ON OCT 28	35 100	1980
1981	14.4 AT 08:55 MST ON MAY 26	13.5 ON MAY 26	0.290E ON OCT 25	46 100	1981
1982	14.6 AT 02:55 MST ON JUN 15	13.1 ON JUN 15	0.378E ON OCT 31	39 800	1982
1983	7.30 AT 22:30 MST ON MAY 29	6.58 ON MAY 29	0.1508 ON MAY 1	23 900	1983
1984	14.7 AT 21:00 MST ON JUN 29	11.5 ON JUN 29	0.1588 ON OCT 31	27 400	1984
1985	8.83 AT 10:00 MST ON MAY 25	8.47 ON MAY 25	0.3418 ON MAY 1	28 300	1985
1986	20.5 AT 21:58 MST ON MAY 28 *	16.1 ON MAY 28	0.1078 ON MAY 2	41 700	1986
				34 800	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BRIDGE CREEK NEAR ENILDA - STATION NO. 07BF007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1926	---	---	---	---	---	---	---	0	0.001	0.001	0.001	0	---	1926
1927	0.001	0	0.001	0.059	0.018	0.240	0.108	0.004	0.005	0.002	0	---	---	1927
MEAN	0.001	0	0.001	0.059	0.018	0.240	0.108	0.002	0.003	0.002	0.001	0	---	MEAN

LOCATION - LAT 55 26 00 N, LONG 116 17 00 W
DRAINAGE AREA, 5.13 km^2
NATURAL FLOW

BRIDGE CREEK NEAR ENILDA - STATION NO. 07BF007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1926	---	---	0 ON AUG 5 *	---	1926
1927	---	2.83 ON JUN 30 *	08 ON FEB 5	---	1927
				---	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BRIDLEBIT CREEK NEAR VALLEYVIEW - STATION NO. 07GF005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	0.051	0.003	0.001	0	0	0.002	0.002	---	1967
1968	0.005	0.003	0.007	0.042	0.178	0.184	0	0	0	0	0.001	0.004	0.059	1968
1969	---	---	0	0.308	0.080	0.002	0	0	0.001	0.002	---	0.004	0.055	1969
1970	---	---	0.005	0.270	0.138	0.005	0	0	0	0	0	---	0.059	1970
1971	---	---	0.001	0.085	0.027	0.381	0.303	0.002	0	0.001	---	---	0.108	1971
1972	0.003	0.003	0.006	0.405	0.183	0.192	0.025	0.007	0.005	0.004	---	---	0.116	1972
1973	0.003	0.003	0.003	0.319	0.158	0.247	0.030	0.004	0.004	0.021	---	---	0.111	1973
1974	---	---	0.006	0.898	0.448	0.012	0	0	0.001	0.001	---	---	0.182	1974
1975	---	---	---	0.097	0.156	0.026	---	0.001	0.001	0.002	---	---	---	1975
1976	---	---	---	0.431	0.117	0.588	0.182	0.520	0.224	0.047	---	---	0.311	1976
1977	---	---	0.002	0.598	0.467	0.108	0.218	0.015	0.028	0.055	---	---	0.212	1977
1978	---	---	---	0.327	0.275	---	0.010	0.001	0.038	0.034	---	---	---	1978
1979	---	---	---	---	0.560	0.385	0.060	0.005	0.001	0.001	---	---	---	1979
1980	---	---	---	0.115	0.016	0.065	0.004	0.001	0.014	0.005	---	---	0.031	1980
1981	---	---	---	0.282	0.039	0.004	0	0	0	0	---	---	0.046	1981
1982	---	---	---	0.003	0.171	0	0.031	0.155	0.002	0.001	---	---	0.053	1982
1983	---	---	---	0.020	0.035	0.377	---	0.034	0.001	0.001	---	---	---	1983
1984	---	---	---	0.084	0.834	0.112	0.008	0	0.013	0.026	---	---	0.124	1984
1985	---	---	---	0.425	0.057	0.016	0	0	0.034	0.090	---	---	0.088	1985
1986	---	---	---	0.431	0.340	0.031	0.016	0.001	0.001	0.011	---	---	0.118	1986
MEAN	0.004	0.003	0.004	0.283	0.215	0.147	0.048	0.042	0.018	0.015	0.001	0.003	0.112	MEAN

LOCATION - LAT 54 55 10 N, LONG 117 44 02 W
DRAINAGE AREA, 19.7 km^2
NATURAL FLOW

DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

BRIDLEBIT CREEK NEAR VALLEYVIEW - STATION NO. 07GF005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	0 ON JUL 10 *	---	1967
1968	1.95 AT 15:00 MST ON JUN 13	1.53 ON JUN 14	0 ON JUN 25	1 080	1968
1969	---	1.19 B ON APR 29	0 ON JUN 20	1 020	1969
1970	---	0.7528 ON APR 23			
1971	2.73 AT 11:00 MST ON JUL 12	2.51 ON JUL 12	0 ON JUL 4	1 080	1970
1972	2.41 AT 10:30 MST ON JUN 26	1.91 ON JUN 26	0 ON SEP 2	2 020	1971
1973	1.31 AT 15:30 MST ON JUN 11	1.20 ON APR 24	0.002 ON SEP 26	2 150	1972
1974	3.26 AT 00:30 MST ON APR 25	2.94 ON APR 24	0.002 ON AUG 15	2 050	1973
1975	---	0.800 ON APR 29	0 ON JUL 3	3 580	1974
1976	---	5.15 ON AUG 18 *	0 ON AUG 14	---	1975
1977	---	3.57 ON APR 5	0.002 ON AUG 2	5 750	1976
1978	---	1.58 ON APR 30	0.0018 ON APR 1	3 910	1977
1979	4.18 AT 10:45 MST ON JUN 14 *	2.87 ON JUN 14	0.001 ON AUG 1	---	1978
			0.001 ON AUG 22	---	1979
1980	2.25 AT 19:19 MST ON APR 25	0.842 ON APR 25	0 ON MAY 21	575	1980
1981	1.14 AT 06:51 MST ON APR 21	1.03 ON APR 21	0 ON JUN 22	844	1981
1982	1.19 AT 12:45 MST ON AUG 4	1.08 ON AUG 4	0 B ON APR 10	978	1982
1983	---	---	0 ON SEP 13	---	1983
1984	3.78A AT 09:45 MST ON MAY 17	3.27 E ON MAY 17	0 ON JUL 15	2 290	1984
1985	1.93 AT 02:28 MST ON APR 14	1.75 ON APR 14	0 ON MAY 22	1 620	1985
1986	1.54 AT 01:23 MST ON APR 19	1.37 ON APR 19	0 ON JUL 3	2 190	1986
				2 080	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BROWN CREEK AT FORESTRY ROAD - STATION NO. 08DD004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	---	---	2.37	1.03	1.08	1.08	---	---	---	1974
1975	---	---	---	---	1.84	1.18	1.88	0.882	0.545	0.259	---	---	1.03	1975
1976	---	---	---	---	1.89	1.85	1.32	2.48	0.615	0.384	---	---	1.42	1976
1977	---	---	---	---	6.80	5.23	3.22	4.15	3.53	1.88	---	---	4.10	1977
1978	---	---	---	---	4.52	5.16	5.29	1.84	3.42	1.42	---	---	3.76	1978
1979	---	---	---	---	3.20	1.78	0.952	0.758	0.537	0.405	---	---	1.27	1979
1980	---	---	---	---	3.02	17.8	4.81	2.78	2.30	1.27	---	---	5.28	1980
1981	---	---	---	---	4.11	3.22	7.56	4.05	1.60	1.09	---	---	3.82	1981
1982	---	---	---	---	2.72	3.86	11.9	1.31	1.85	2.71	---	---	4.06	1982
1983	---	---	---	---	4.32	4.62	3.28	0.579	0.472	0.514	---	---	2.30	1983
1984	---	---	---	---	2.47	4.76	1.30	0.563	1.09	1.88	---	---	1.97	1984
1985	---	---	---	---	2.38	2.87	1.32	2.61	5.09	1.52	---	---	2.84	1985
1986	---	---	---	---	2.88	---	---	---	---	---	---	---	---	1986
MEAN	---	---	---	---	3.35	4.87	3.75	1.90	1.82	1.16	---	---	2.88	MEAN

LOCATION - LAT 52 45 40 N, LONG 116 21 20 W
DRAINAGE AREA, 218 km^2
NATURAL FLOW

BROWN CREEK AT FORESTRY ROAD - STATION NO. 08DD004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1974	7.93 AT 02:00 MST ON JUL 12	5.97 ON JUL 12	---	---	1974
1975	4.33 AT 14:30 MST ON JUL 13	3.85 ON MAY 8	0.1908 ON OCT 21 *	15 400	1975
1976	8.14 AT 01:00 MST ON AUG 8	5.41 ON AUG 8	0.2048 ON OCT 25	22 800	1976
1977	15.7 AT 00:30 MST ON JUN 2	15.1 ON JUN 2	0.803 ON MAY 1	85 200	1977
1978	18.4 AT 24:00 MST ON JUL 11	15.6 ON JUL 12	0.677 ON OCT 27	59 900	1978
1979	5.93 AT 03:00 MST ON MAY 24	5.48 ON MAY 24	0.309 ON OCT 6	20 300	1979
1980	135 AT 16:45 MST ON JUN 4	96.7 ON JUN 4 *	0.7878 ON OCT 23	84 000	1980
1981	20.3 AT 14:25 MST ON JUL 24	18.1 ON JUL 24	0.490 ON MAY 7	57 400	1981
1982	61.4 AT 12:57 MST ON JUL 5	48.1 ON JUL 5	0.618 ON SEP 25	84 600	1982
1983	19.3 AT 11:10 MST ON JUN 24	15.8 ON JUN 24	0.312 ON OCT 12	36 500	1983
1984	14.5 AT 19:59 MST ON JUN 9	12.6 ON JUN 9	0.231 ON SEP 5	31 200	1984
1985	24.6 AT 08:29 MST ON SEP 13	23.2 ON SEP 13	0.333 ON MAY 1	41 900	1985
1986	---	---	---	---	1986
				45 500	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BUCHANAN CREEK NEAR MANNING - STATION NO. 07HC002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1985	---	---	0.461	1.10	0.207	0.001	0	0	0.001	0.002	---	---	0.219	1985
1986	---	---	0.088	0.881	0.814	0.022	0.002	0	0	0	---	---	0.238	1986
MEAN	---	---	0.275	1.03	0.511	0.012	0.001	0	0.001	0.001	---	---	0.227	MEAN

LOCATION - LAT 55 53 42 N, LONG 117 29 16 W
DRAINAGE AREA, 232 km^2
NATURAL FLOW

BUCHANAN CREEK NEAR MANNING - STATION NO. 07HC002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1985	---	2.008 ON MAR 20	08 ON MAR 1 *	4 840	1985
1986	5.12 AT 05:30 MST ON MAY 8 *	3.04 ON MAY 8 *	0 ON JUN 24	4 970	1986
				4 810	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BUFFALO CREEK AT HIGHWAY NO. 41 - STATION NO. 05PE002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	0.035	0.918	0.327	0.057	0.010	0.010	0.087	0.088	---	---	0.184	1972
1973	---	---	0.125	1.18	0.299	0.589	0.563	0.418	0.140	0.128	---	---	0.425	1973
1974	---	---	0.081	6.33	0.878	0.857	0.332	0.026	0.024	0.016	---	---	1.04	1974
1975	---	---	0.050	0.774	0.522	0.207	0.045	0.026	0.052	0.070	---	---	0.217	1975
1976	---	---	0.085	0.895	0.157	0.480	0.118	0.022	0.059	0.022	---	---	0.200	1976
1977	---	---	0.056	0.338	0.504	0.084	0	0.004	0.038	0.080	---	---	0.135	1977
1978	---	---	0.172	0.431	0.281	0.160	0.007	0	0.085	0.091	---	---	0.130	1978
1979	---	---	0.236	0.888	0.272	0.276	0.512	0.188	0.018	0.070	---	---	0.326	1979
1980	---	---	0.012	0.914	0.181	0.170	0.128	0.118	0.077	0.085	---	---	0.205	1980
1981	---	---	0.578	0.511	0.133	0.030	0.015	0.018	0	0.010	---	---	0.181	1981
1982	---	---	0	0.335	0.188	0.080	0.073	0.056	0.016	0.027	---	---	0.094	1982
1983	---	---	0.141	0.552	0.281	0.184	0.251	0.008	0.018	0.038	---	---	0.177	1983
1984	---	---	0.310	0.427	0.188	0.288	0.021	0	0.018	0.087	---	---	0.181	1984
1985	---	---	0.704	0.788	0.238	0.116	0.002	0.050	0.098	0.057	---	---	0.256	1985
1986	---	---	0.527	0.618	0.232	0.248	0.188	0.031	0.044	0.108	---	---	0.260	1986
MEAN	---	---	0.208	1.05	0.311	0.238	0.158	0.083	0.050	0.082	---	---	0.285	MEAN

LOCATION - LAT 53 00 25 N, LONG 110 51 57 W DRAINAGE AREA, 709 km^2, NATURAL FLOW

BUFFALO CREEK AT HIGHWAY NO. 41 - STATION NO. 05PE002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	1.73 B ON APR 7	0 B ON MAR 1 *	3 900	1972
1973	5.38 AT 18:10 MST ON JUN 16	3.89 ON JUN 16	0 B ON MAR 1	8 890	1973
1974	37.4 AT 22:30 MST ON APR 19 *	30.2 ON APR 18 *	0.010 ON OCT 12	21 900	1974
1975	2.488 AT 10:30 MST ON APR 18	1.98 ON APR 24	0 ON JUL 30	4 590	1975
1976	---	2.34 B ON APR 6	0 ON AUG 8	4 220	1976
1977	1.108 AT 21:00 MST ON APR 8	0.986 ON MAY 17	0 ON JUN 23	2 870	1977
1978	1.008 AT 14:15 MST ON APR 1	0.8528 ON APR 1	0 ON JUL 6	3 180	1978
1979	4.51 AT 18:30 MST ON JUL 28	1.85 ON JUL 30	0.008 ON SEP 16	6 910	1979
1980	2.888 AT 12:25 MST ON APR 10	1.98 ON APR 14	0.0018 ON MAR 1	4 350	1980
1981	2.40 AT 18:30 MST ON MAR 28	2.34 B ON MAR 28	0 ON JUL 22	3 410	1981
1982	---	0.8638 ON APR 22	0 B ON MAR 1	1 880	1982
1983	1.98 AT 12:13 MST ON JUL 7	1.33 ON JUL 7	0 ON AUG 10	3 780	1983
1984	---	2.13 B ON MAR 30	0 ON JUL 28	3 410	1984
1985	---	2.86 B ON APR 2	0 ON JUL 3	5 410	1985
1986	---	2.02 B ON MAR 31	0.0018 ON MAR 6	5 290	1986
				5 610	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BULLHORN COULEE NEAR CARDSTON - STATION NO. 05AD018

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1935	---	---	---	---	---	---	---	---	---	0	---	---	---	1935
1936	---	---	0.355	0.043	0.001	0	---	---	---	---	---	---	---	1936
MEAN	---	---	0.355	0.043	0.001	0	---	---	---	0	---	---	---	MEAN

LOCATION - LAT 49 14 40 N, LONG 113 25 00 W DRAINAGE AREA, 118 km^2, NATURAL FLOW

BULLHORN COULEE NEAR CARDSTON - STATION NO. 05AD018

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1935	---	---	---	---	1935
1936	---	3.568 ON MAR 2 *	0 ON OCT 1 *	---	1936
			03 ON MAR 23	---	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BULLPOUND CREEK NEAR HANNA - STATION NO. 05CG002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1962	---	---	0	0.095	0.002	0	0	0	0	0	---	---	0.012	1962
1963	---	---	0.221	0.027	0	0	0	0	0	0	---	---	0.031	1963
1964	---	---	0	0	0	0	0	0	0	0	---	---	0	1964
1965	---	---	0.027	1.08	0.013	0.004	0	0	0	0	---	---	0.138	1965
1966	---	---	0.202	0.146	0.005	0	0.004	0	0	0	---	---	0.045	1966
1967	---	---	0.105	0.882	0.050	0.027	0	0	0	0	---	---	0.131	1967
1968	---	---	0.002	0	0	0	0	0	0	0	---	---	0	1968
1969	---	---	0	0.298	0	0	0	0	0	0	---	---	0.036	1969
1970	---	---	0.062	0.818	0.008	0.006	0.452	0.002	0	0	---	---	0.143	1970
1971	---	---	0.063	2.39	0.031	0.028	0.013	0	0	0	---	---	0.309	1971
1972	---	---	0.145	0.059	0.003	0	0	0	0	0	---	---	0.026	1972
1973	---	---	0	0.018	0.004	0.336	0.054	0.001	0	0	---	---	0.051	1973
1974	---	---	0	2.83	0.729	0.055	0.009	0	0	0	---	---	0.447	1974
1975	---	---	0	1.19	0.507	0.051	0.005	0	0	0	---	---	0.217	1975
1976	---	---	0.037	0.052	0.017	0.006	0.001	0	0	0	---	---	0.014	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0.165	0.024	0.003	0.016	0	0	0	0	---	---	0.026	1978
1979	---	---	0.075	0.020	0	0	0	0	0	0	---	---	0.012	1979
1980	---	---	0.013	0.121	0	0	0	0	0	0	---	---	0.017	1980
MEAN	---	---	0.059	0.518	0.072	0.028	0.028	0	0	0	---	---	0.087	MEAN

LOCATION - LAT 51 39 00 N DRAINAGE AREA, 209 km²
LONG 112 00 30 W REGULATED SINCE 1976

BULLPOUND CREEK NEAR HANNA - STATION NO. 05CG002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1962	---	0.391 ON APR 24	0B ON MAR 1 *	252	1962
1963	---	0.3918 ON MAR 1	0 ON APR 27	881	1963
1964	---	0 ON MAR 1	0 ON MAR 1	0	1964
1965	---	4.02 B ON APR 11	0B ON MAR 1	2 920	1965
1966	---	1.17 B ON MAR 31	0B ON MAR 1	945	1966
1967	---	3.09 B ON APR 10	0B ON MAR 1	2 770	1967
1968	---	0.0278 ON MAR 6	0B ON MAR 6	4.41	1968
1969	---	2.04 ON APR 10	0B ON MAR 1	771	1969
1970	---	2.73 ON APR 8	0B ON MAR 1	3 020	1970
1971	15.3 AT 05 00 MST ON APR 8 *	13.9 ON APR 8 *	0B ON MAR 1	5 540	1971
1972	---	0.9208 ON MAR 25	0B ON MAR 1	549	1972
1973	2.07 AT 03 20 MST ON JUN 18	1.83 ON JUN 18	0B ON MAR 1	1 080	1973
1974	10.5 AT 18 30 MST ON APR 18	10.1 ON APR 18	0B ON MAR 1	9 470	1974
1975	5.00 AT 15 45 MST ON APR 21	5.78 ON APR 22	0B ON MAR 1	4 810	1975
1976	---	0.2128 ON MAR 28	0B ON MAR 1	299	1976
1977	---	0 ON MAR 1	0 ON MAR 1	0	1977
1978	---	1.59 B ON MAR 27	0B ON MAR 1	552	1978
1979	---	0.9938 ON MAR 13	0B ON MAR 1	264	1979
1980	---	1.89 ON APR 1	0B ON MAR 1	349	1980
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 840	MEAN

BULLPOUND CREEK NEAR HUTTON - STATION NO. 05CG001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1936	---	---	0.137	2.88	0.117	0.038	---	---	---	---	---	---	---	1936
MEAN	---	---	0.137	2.88	0.117	0.038	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 51 07 20 N DRAINAGE AREA, 1 430 km²
LONG 111 54 20 W NATURAL FLOW

BULLPOUND CREEK NEAR HUTTON - STATION NO. 05CG001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1936	---	19.8E ON APR 14 *	0B ON MAR 1 *	---	1936
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

BULLPOUND CREEK NEAR THE MOUTH - STATION NO 05CG003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	0	0	0	0	0	0	0	0	---	---	0	1984
1985	---	---	0.008	1.42	0.005	0	0	0	0	0	---	---	0.176	1985
1986	---	---	0.801	0.188	0	0	0	0	0	0	---	---	0.084	1986
1987	---	---	0	0.375	0.316	0.309	0.002	0	0	0.139	---	---	0.161	1987
1988	---	---	0.001	0.004	0	0	0	0	0	0	---	---	0.001	1988
1989	---	---	0	2.12	0.387	0	0	0	0	0	---	---	0.306	1989
1990	---	---	0.030	1.14	0.073	0.136	0.049	0	0	0	---	---	0.176	1990
1991	---	---	0	9.07	4.10	1.17	0.013	0	0	0	---	---	1.77	1991
1992	---	---	0	0	0	0	0	0	0	0	---	---	0	1992
1993	---	---	0	0	0	0.002	0	0	0	0	---	---	0	1993
1994	---	---	0	0.397	3.71	0.362	0.003	0	0	0	---	---	0.582	1994
1995	---	---	0	0.008	1.39	0.309	0.011	0.001	0	0	---	---	0.218	1995
1996	---	---	0.002	0.103	0	0	0	0	0	0	---	---	0.013	1996
1997	---	---	0	0	0	0	0	0	0	0	---	---	0	1997
1998	---	---	0	0	0	0	0	0	0	0	---	---	0	1998
1999	---	---	0 R	0 R	0	0	0	0	0	0	---	---	0 R	1999
2000	---	---	0	0	0	0	0	0	0	0	---	---	0	2000
2001	---	---	0	0	0	0	0	0	0	0	---	---	0	2001
2002	---	---	0	0	0	0	0	0	0	0	---	---	0	2002
2003	---	---	0.004	0	0	0	0	0	0	0	---	---	0	2003
2004	---	---	0	0	0	0	0	0	0	0	---	---	0.001	2004
2005	---	---	0.028	0.831	0.002	0	0	0	0	0	---	---	0.081	2005
2006	---	---	0	0	0	0	0.786	0	0	0	---	---	0.101	2006
MEAN	---	---	0.028R	0.671R	0.433	0.089	0.038	0	0	0.006	---	---	0.158	MEAN

LOCATION - LAT 51 05 56 N LONG 111 55 44 W
DRAINAGE AREA 1 470 km²
REGULATED

R - REVISED SINCE JAN 1986

BULLPOUND CREEK NEAR THE MOUTH - STATION NO 05CG003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	---	0 ON MAR 1	0 ON MAR 1 *	0	1984
1985	9.49 B AT 17 30 MST ON APR 9	8.33 ON APR 10	0B ON MAR 1	3 710	1985
1986	5.66 AT 00 30 MST ON MAR 29	4.22 RA ON MAR 30	0B ON MAR 1	1 780	1986
1987	---	2.38 A ON APR 28	0B ON MAR 1	2 990	1987
1988	---	0.014 ON APR 5	0B ON MAR 1	11.1	1988
1989	---	16.8 R ON APR 9	0B ON MAR 1	6 480	1989
1990	---	4.11 ON APR 5	0B ON MAR 1	3 720	1990
1991	19.1 AT 12:00 MST ON APR 22 *	18.9 ON APR 22 *	0B ON MAR 1	37 800	1991
1992	---	0 ON MAR 1	0 ON MAR 1	0	1992
1993	0.091 AT 16 30 MST ON JUN 16	0.037 ON JUN 16	0 ON MAR 1	3.89	1993
1994	5.60 AT 13 30 MST ON MAY 6	5.48 ON MAY 6	0B ON MAR 1	11 900	1994
1995	3.26 AT 11 00 MST ON MAY 21	3.03 ON MAY 21	0B ON MAR 1	4 570	1995
1996	0.9408 AT 12 00 MST ON APR 3	0.3548 ON APR 3	0B ON MAR 1	273	1996
1997	0 IN MAY	0 ON MAR 1	0 ON MAR 1	0	1997
1998	---	0 ON MAR 1	0 ON MAR 1	0	1998
1999	---	---	0 ON MAR 1	---	1999
2000	---	0 E ON MAR 1	0E ON MAR 1	0	2000
2001	---	0 B ON MAR 1	0B ON MAR 1	0	2001
2002	---	0 B ON MAR 1	0B ON MAR 1	0	2002
2003	0.100 AT 03 15 MST ON MAR 12	0.072 ON MAR 12	0 ON MAR 1	11.8	2003
2004	---	0 ON MAR 1	0 ON MAR 1	0	2004
2005	9.57 AT 10 35 MST ON APR 2	4.78 ON APR 3	0B ON MAR 1	1 720	2005
2006	9.87 AT 08 55 MST ON JUL 11	9.08 ON JUL 10	0 ON MAR 1	2 130	2006
				3 490	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1 1986

BULLPOUND CREEK NEAR WATTS - STATION NO. 05CG004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	0.081	0.493	0.005	0	0	0.105	0.011	0.005	---	---	0.086	1980
1981	---	---	0.045	0.008	0.001	0	0.001	0.002	0	0	---	---	0.007	1981
1982	---	---	0.037	0.281	0.009	0	0.057	0.001	0	0	---	---	0.045	1982
1983	---	---	0	0	0	0	0.024	0	0	0	---	---	0.003	1983
1984	---	---	0.003	0.023	0	0.047	0	0	0.014	0.001	---	---	0.011	1984
1985	---	---	0.573	0.247	0.052	0.018	0	0	0	0	---	---	0.112	1985
1986	---	---	0.058	0.008	0.002	0	0	0	0	0.010	---	---	0.008	1986
MEAN	---	---	0.112	0.151	0.010	0.009	0.012	0.015	0.004	0.002	---	---	0.039	MEAN

LOCATION - LAT 51 39 43 N LONG 112 05 00 W
DRAINAGE AREA 197 km²
NATURAL FLOW

BULLPOUND CREEK NEAR WATTS - STATION NO. 05CG004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1980	---	2.60 B ON MAR 31	0B ON MAR 1 *	1 830	1980
1981	---	0.076RB ON MAR 18	0 ON MAY 1	151	1981
1982	1.17 AT 08:34 MST ON APR 14 *	1.10 ON APR 14	0B ON MAR 1	981	1982
1983	0.387 AT 10:03 MST ON JUL 3	0.250 ON JUL 3	0B ON MAR 1	85.1	1983
1984	0.888 AT 00:21 MST ON JUN 7	0.296 ON JUN 7	0B ON MAR 1	231	1984
1985	---	3.49 B ON MAR 19 *	0B ON MAR 1	2 370	1985
1986	0.172 AT 06:58 MST ON MAR 8	0.120 ON MAR 8	0 ON MAR 1	197	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD R - REVISED SINCE JAN 1 1986		832	MEAN

BULLSHEAD CREEK AT BURTON'S RANCH - STATION NO. 05AH012

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1925	---	0.048	1.52	1.04	0.001	0.182	0.020	0.012	0.013	0.018	---	---	0.351	1925
1926	---	---	0.345	0.055	0	0.001	0	0.015	0.080	0.080	---	---	0.067	1926
1927	---	0.003	0.257	3.18	1.65	1.18	0.552	0.520	0.141	0.101	---	---	0.838	1927
1928	---	---	2.44	0.035	0	0.058	0.503	0.013	0.012	0.014	---	---	0.389	1928
1929	---	---	0.751	0.282	0.136	0.091	0.040	0.004	0.014	0.041	---	---	0.166	1929
MEAN	---	0.026	1.06	0.910	0.357	0.302	0.223	0.113	0.048	0.047	---	---	0.383	MEAN

LOCATION - LAT 49 55 30 N
LONG 110 39 10 W
DRAINAGE AREA, 411 km^2
NATURAL FLOW

BULLSHEAD CREEK AT BURTON'S RANCH - STATION NO. 05AH012

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1925	---	22.3 ON MAR 28 *	0B ON MAR 1 *	7 420	1925
1926	---	2.04 ON MAR 4	0 ON MAR 8	1 420	1926
1927	---	13.1 ON APR 17	0B ON MAR 1	19 900	1927
1928	---	10.6 E ON JUL 1	0 ON APR 5	8 220	1928
1929	---	2.27 ON MAR 28	0B ON MAR 1	3 580	1929
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		8 100	MEAN

BULLSHEAD CREEK AT CLARK'S RANCH - STATION NO. 05AH010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	2.77	0.124	0.018	0.004	0	0.008	0.015	---	---	---	1912
1913	---	---	---	2.51	0.081	0.007	0.004	0.006	0.002	0.013	---	---	---	1913
1914	---	---	---	0.314	0.033	0.006	0	0	0.008	0.108	---	---	---	1914
1915	---	---	---	0.589	---	---	---	---	---	---	---	---	---	1915
MEAN	---	---	---	1.55	0.089	0.011	0.003	0.002	0.006	0.045	---	---	---	MEAN

LOCATION - LAT 49 44 10 N
LONG 110 36 10 W
DRAINAGE AREA, 205 km^2
NATURAL FLOW

BULLSHEAD CREEK AT CLARK'S RANCH - STATION NO. 05AH010

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	17.6 E ON APR 3 *	0 ON JUN 25 *	---	1912
1913	---	11.8 ON APR 5	0 ON JUN 10	---	1913
1914	---	1.19 ON MAR 30	0 ON MAY 27	---	1914
1915	---	8.31 ON APR 3	0 ON MAR 13	---	1915
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

BULLSHEAD CREEK NEAR WOOLCHESTER - STATION NO 05AH013

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	0.370	0.575	0.007	0	0	---	---	---	1915
1916	---	---	1.30	0.213	0.236	1.18	0.594	0.580	0.120	0.082	---	---	0.535	1916
1917	---	---	---	3.77	0.909	0.221	0.008	0	0	---	---	---	---	1917
1918	---	---	---	1.52	0.172	0.010	---	---	---	---	---	---	---	1918
1919	---	---	---	0.427	0.018	---	---	---	---	---	---	---	---	1919
1920	---	---	---	1.10	0.222	0.080	0.015	---	---	---	---	---	---	1920
1921	---	---	1.23	3.13	0.287	0.007	0.043	0	---	---	---	---	---	1921
1922	---	---	0.460	3.88	0.553	0.013	0.001	---	---	---	---	---	---	1922
1923	---	---	0.195	0.587	0.013	0.185	0.868	0.453	0.003	0.001	---	---	0.281	1923
1924	---	0.001	0.027	0.218	0.013	0.003	0	0	0	0	---	---	0.032	1924
1930	---	1.83	0.790	1.61	0.383	0.025	0.003	0.001	0.008	0.001	---	---	0.348	1930
1931	---	---	0.087	0.045	---	---	---	---	---	---	---	---	---	1931
1935	---	---	---	---	---	---	---	---	0	0	---	---	---	1935
1936	---	---	0.440	---	0.115	0.008	---	---	---	---	---	---	---	1936
MEAN	---	0.786	0.551	1.50	0.264	0.191	0.212	0.149	0.019	0.011	---	---	0.294	MEAN

LOCATION - LAT 49 52 30 N, LONG 110 38 00 W DRAINAGE AREA 315 km² NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1918

BULLSHEAD CREEK NEAR WOOLCHESTER - STATION NO 05AH013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1915	---	---	---		
1916	---	5.85 ON JUN 11	0 ON AUG 8 *	---	1915
1917	---	10.8 ON APR 10	0B ON MAR 6	11 300	1916
1918	---	3.17 ON APR 9	0 ON JUL 24	---	1917
1919	---	1.61 ON APR 18	0 ON JUN 9	---	1918
			0B ON MAR 25	---	1919
1920	---	5.72 ON APR 13			
1921	---	15.5 ON APR 3 *	0 ON JUN 6	---	1920
1922	---	12.9 ON APR 22	0B ON MAR 9	---	1921
1923	---	12.5 ON AUG 18	0B ON MAR 1	---	1922
1924	---	0.9238 ON APR 5	0B ON MAR 1	5 520	1923
			0B ON MAR 14	882	1924
1930	---	7.82 ON APR 4			
1931	---	0.181 ON MAR 22	0 ON JUL 29	7 370	1930
			0B ON MAR 9	---	1931
1935	---	---			
1936	---	---	0 ON SEP 1	---	1935
			0B ON MAR 1	---	1936
MEAN				6 220	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

C P R CO EAST BRANCH CANAL NEAR BASSANO - STATION NO 05CJ002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	0	0	0	0	0.326	2.54	7.16	4.68	8.07	7.44	1.41	0	2.49	1914
1915	0	0	0	2.28	3.03	2.72	3.23	3.50	14.4	19.7	8.10	7.16	5.03	1915
1916	5.98	5.89	0	0	2.12	1.58	2.20	2.14	2.80	2.71	1.87	0.068	2.30	1916
1917	0	0	0	0	1.62	3.07	7.82	9.45	4.25	5.36	11.7	3.19	3.90	1917
1918	5.38	2.87	2.30	0.078	3.89	10.1	18.5	16.1	19.3	10.4	1.37	0	7.55	1918
1920	0	0	0	0	1.53	17.8	24.4	18.4	15.7	2.63	0	0	6.73	1920
1921	0	0	0	0	3.72	32.4	41.0	29.8	28.4	10.6	0.832	0	12.2	1921
1922	0	0	0	0	3.88	35.7	40.1	23.6	16.7	3.77	0	0	10.4	1922
1923	0	0	0	0	13.7	16.7	22.3	26.0	26.6	1.04	0	0	8.08	1923
1924	0	0	0	0.623	30.1	44.1	47.5	34.6	24.9	8.53	0	0	15.9	1924
1925	0	0	0	0	11.4	27.0	37.0	25.3	19.3	0.248	0	0	10.1	1925
1926	0	0	0	0	16.6	40.1	37.9	26.0	19.9	0.180	0	0	11.8	1926
1927	0	0	0	0.43	15.4	26.4	26.8	18.9	0.397	0	0	0	7.75	1927
1928	0	0	0	0	19.2	34.0	21.7	21.6	19.7	0.598	0	0	9.74	1928
1929	0	0	0	2.78	14.7	37.5	48.3	36.5	30.0	18.5	0	0	15.8	1929
1930	0	0	0	0.71	29.0	50.1	51.5	44.2	41.8	2.48	0	0	15.1	1930
MEAN	0.692	0.822	0.199	0.981	8.87	23.2	27.4	21.9	19.3	5.88	1.58	0.851	9.37	MEAN

LOCATION - LAT 50 45 00 N, LONG 112 25 00 W REGULATED

DATA CONTRIBUTED BY - CANADIAN PACIFIC RAILWAY

C. P. R. CO. EAST BRANCH CANAL NEAR BASSANO - STATION NO. 05CJ002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	14.5 ON OCT 22	0 ON JAN 1 *	78 400	1914
1915	---	22.8 ON OCT 29	0 ON JAN 1	159 000	1915
1916	---	13.1 ON FEB 18	0 ON FEB 28	72 500	1916
1917	---	21.5B ON NOV 27	0 ON JAN 1	123 000	1917
1918	---	22.9 ON JUL 26	0B ON MAR 24	238 000	1918
1920	---	29.7 ON JUL 4	0 ON JAN 1	213 000	1920
1921	---	45.9 ON JUL 3	0 ON JAN 1	385 000	1921
1922	---	51.8 ON JUN 29	0 ON JAN 1	326 000	1922
1923	---	37.9 ON MAY 31	0 ON JAN 1	287 000	1923
1924	---	48.7 ON JUL 27	0 ON JAN 1	503 000	1924
1925	---	42.5 ON JUL 4	0 ON JAN 1	319 000	1925
1926	---	46.4 ON JUN 12	0 ON JAN 1	372 000	1926
1927	---	27.4 ON AUG 7	0 ON JAN 1	244 000	1927
1928	---	41.3 ON JUN 3	0 ON JAN 1	308 000	1928
1929	---	56.6 ON JUL 4	0 ON JAN 1	501 000	1929
1930	---	58.3 ON JUN 23 *	0 ON JAN 1	803 000	1930
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		295 000	MEAN

CABIN CREEK NEAR SEEBE - STATION NO. 05BF019

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1983	---	---	---	---	0.031	0.096	0.091	0.028	0.012	0.009	0.007	0.005	---	1983
1984	0.004	0.003	0.002	0.005	0.034	0.194	0.046	0.013	0.011	0.009	0.005	0.003	0.027	1984
1985	0.002	0.002	0.002	0.009	0.034	0.122	0.076	0.036	0.027	0.044	0.018	0.009	0.032	1985
1986	0.007	0.005	0.005	0.006	0.049	0.095	0.042	0.016	0.009	0.008	0.006	0.005	0.021	1986
1987	0.004	0.003	0.003	0.003	0.036	0.149	0.038	0.012	0.007	0.006	0.005	0.003	0.022	1987
1988	0.003	0.003	0.003	0.003	0.027	0.081	0.037	0.018	0.014	0.013	0.008	0.006	0.018	1988
1989	0.004	0.004	0.003	0.012	0.074	0.102	0.103	0.018	0.010	0.008	0.006	0.004	0.029	1989
1970	0.003	0.003	0.003	0.003	0.028	0.083	0.040	0.012	0.008	0.006	0.005	0.004	0.017	1970
1971	0.003	0.003	0.002	0.004	0.057	0.148	0.030	0.011	0.008	0.006	0.005	0.002	0.023	1971
1972	0.002	0.002	0.003	0.003	0.053	0.148	0.050	0.021	0.013	0.010	0.006	0.005	0.026	1972
1973	0.005	0.003	0.003	0.004	0.047	0.114	0.041	0.015	0.012	0.009	0.007	0.005	0.022	1973
1974	0.005	0.004	0.003	0.006	0.028	0.178	0.050	0.020	0.012	0.010	0.007	0.005	0.027	1974
1975	0.003	0.003	0.003	0.003	0.027	0.079	0.039	0.024	0.015	0.010	0.007	0.005	0.018	1975
1976	0.004	0.004	0.003	0.007	0.093	0.064	0.031	0.032	0.026	0.017	0.009	0.006	0.025	1976
1977	0.005	0.004	0.003	0.008	0.035	0.031	0.018	0.018	0.020	0.015	0.009	0.006	0.014	1977
1978	0.005	0.004	0.003	0.007	0.052	0.108	0.036	0.018	0.013	0.011	0.007	0.005	0.023	1978
1979	0.003	---	---	---	---	0.052	0.019	0.011	0.007	0.005	0.003	0.003	---	1979
1980	0.003	0.003	0.003	0.018	0.068	0.107	0.025	0.017	0.020	0.020	0.012	0.007	0.025	1980
1981	0.006	0.005	0.004	0.009	0.098	0.131	0.071	0.044	0.016	0.010	0.006	0.005	0.034	1981
1982	---	---	---	---	---	0.104	0.035	0.015	0.010	0.008	0.005	0.005	---	1982
1983	0.004	0.003	0.003	0.006	0.041	0.048	0.046	0.019	0.011	0.008	0.006	0.003	0.017	1983
1984	0.004	0.003	0.003	0.006	0.031	0.080	0.023	0.012	0.010	0.010	0.008	0.004	0.014	1984
1985	0.003	0.001	0.001	0.004	0.046	0.042	0.018	0.025	0.045	0.029	0.017	0.009	0.020	1985
1986	0.006	0.004	0.005	0.010	0.072	0.067	0.036	0.028	0.018	0.027	0.018	0.010	0.025	1986
MEAN	0.004	0.003	0.003	0.007	0.048	0.101	0.043	0.020	0.015	0.013	0.008	0.005	0.023	MEAN

LOCATION - LAT 50 57 33 N DRAINAGE AREA, 2.12 km^2
LONG 115 10 00 W NATURAL FLOW

CABIN CREEK NEAR SEEBE - STATION NO. 05BF019

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1983	0 566 AT 01 00 MST ON JUN 30	0 464 ON JUN 30	---	---	1983
1984	0 510 AT 08 30 MST ON JUN 8	0 425 ON JUN 8	0.001 ON MAR 8 *	880	1984
1985	0 394 AT 03 30 MST ON JUN 18	0 309 ON JUN 18	0 001 ON FEB 12	1 010	1985
1986	0 190 AT 17 00 MST ON JUN 7	0 167 ON JUN 7	0 004 ON MAR 15	662	1986
1987	0 224 AT 16 30 MST ON JUN 8	0 190 ON JUN 8	0 002E ON MAR 11	706	1987
1988	0 227 AT 14 10 MST ON JUN 2	0 150 ON JUN 2	0 002 ON FEB 18	573	1988
1989	0 326 AT 20 00 MST ON JUN 29	0 309 ON JUN 29	0 003 ON JAN 31	925	1989
1970	0 323 AT 21 20 MST ON JUN 13	0 281 ON JUN 15	0 003 ON JAN 1	644	1970
1971	0 578 AT 01 30 MST ON JUN 6 *	0 481 ON JUN 5 *	0 001 ON DEC 11	729	1971
1972	0 289 AT 15 30 MST ON JUN 10	0 252 ON JUN 10	0 001 ON JAN 1	832	1972
1973	---	0 170 ON JUN 7	0 003 ON FEB 13	599	1973
1974	0 459 AT 15 20 MST ON JUN 16	0 382 ON JUN 16	0 003 ON JAN 12	862	1974
1975	0 144 AT 16 30 MST ON JUN 21	0 130 ON JUN 21	0 002 ON FEB 4	576	1975
1976	0 184 AT 16 00 MST ON MAY 10	0 136 ON MAY 10	0 003 ON FEB 18	782	1976
1977	0 082 AT 14 30 MST ON MAY 11	0 065 ON MAY 24	0 003 ON FEB 28	448	1977
1978	0 272 AT 16 00 MST ON JUN 4	0 181 ON JUN 5	0 003 ON FEB 13	710	1978
1979	0 204 AT 15 00 MST ON MAY 28	0 139 ON MAY 28	---	---	1979
1980	0 228 AT 17 45 MST ON JUN 9	0 198 ON JUN 9	0 003 ON JAN 1	799	1980
1981	0 403 AT 16 20 MST ON MAY 21	0 271 ON MAY 21	0 002A ON DEC 28	1 070	1981
1982	0 206 AT 14 25 MST ON JUN 12	0 158 ON JUN 12	---	---	1982
1983	0 148 AT 15 47 MST ON MAY 24	0 088 ON MAY 24	0 002 ON JAN 31	532	1983
1984	0 197 AT 16 09 MST ON MAY 30	0 125 ON MAY 30	0 003 ON JAN 1	453	1984
1985	---	0 090E ON SEP 13	0 001 ON FEB 8	633	1985
1986	0 354 AT 16 23 MST ON MAY 28	0 259 ON MAY 27	0 003 ON FEB 15	787	1986
	A - MANUAL GAUGE [SEE REFERENCE INDEX] E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		723	MEAN

CACHE PERCOTTE CREEK (NORTH FORK) NEAR HINTON - STATION NO 07AD007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	0.005	0.014	0.023	---	---	---	1972
1973	---	---	---	---	---	---	0.010	0.007	0.004	0.008	---	---	---	1973
1974	---	---	---	---	---	0.014	0.011	0.005	0.006	0.003	---	---	---	1974
1975	---	---	---	---	0.013	0.014	0.004	0.001	0.001	0.001	---	---	0.006	1975
1976	---	---	---	---	0.005	0.003	0.003	0.018	0.004	0.003	---	---	0.006	1976
1977	---	---	---	---	0.078	0.038	0.048	0.053	0.048	0.029	---	---	0.048	1977
MEAN	---	---	---	---	0.031	0.017	0.015	0.016	0.013	0.011	---	---	0.020	MEAN

LOCATION - LAT 53 23 26 N, LONG 117 29 11 W
DRAINAGE AREA, 2.72 km²
NATURAL FLOW
DATA CONTRIBUTED BY - HINTON FORESTRY SCHOOL

CACHE PERCOTTE CREEK (NORTH FORK) NEAR HINTON - STATION NO 07AD007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1972	0.082 AT 00:00 MST ON OCT 1	0.071 ON OCT 1	---	---	1972
1973	---	---	---	---	1973
1974	---	---	---	---	1974
1975	0.142 AT 18:00 MST ON JUN 28	0.089 ON JUN 28	0.001 ON JUL 25 *	89.5	1975
1976	0.142 AT 15:10 MST ON AUG 16	0.108 ON AUG 16	0.001 ON MAY 27	86.5	1976
1977	0.309 AT 17:00 MST ON MAY 29 *	0.221 ON MAY 29 *	0.007 ON MAY 1	788	1977
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		318	MEAN

CACHE PERCOTTE CREEK NEAR HINTON - STATION NO 07AD003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	---	---	0.193	0.031	0.070	0.018	---	---	---	1965
1966	---	---	---	---	---	0.074	0.044	0.080	0.033	0.022	---	---	---	1966
1967	---	---	---	---	0.059	0.119	0.020	0.006	0.002	0.002	---	---	0.035	1967
1968	---	---	---	---	0.024	0.011	0.010	0.010	0.005	0.004	---	---	0.011	1968
1969	---	---	---	---	0.028	---	---	---	0.018	---	---	---	---	1969
1970	---	---	0	0.002	0.034	0.027	0.022	0.004	0.001	0.001	---	---	0.015	1970
1971	---	---	---	---	0.027	0.129	0.185	0.010	0.009	0.007	---	---	0.061	1971
1972	---	---	0.001	0.014	0.083	0.085	0.038	0.025	0.028	0.083	---	---	0.054	1972
1973	---	---	---	---	0.110	0.060	0.019	0.014	0.009	0.015	---	---	0.038	1973
1975	---	---	---	---	0.032	0.031	0.010	0.001	0.001	0.001	---	---	0.013	1975
1976	---	---	---	---	0.024	0.009	0.007	0.038	0.006	0.004	---	---	0.015	1976
1977	---	---	---	---	0.137	0.048	0.071	0.084	0.108	0.047	---	---	0.082	1977
MEAN	---	---	0.001	0.008	0.058	0.059	0.058	0.028	0.024	0.017	---	---	0.036	MEAN

LOCATION - LAT 53 24 08 N, LONG 117 30 27 W
DRAINAGE AREA, 7.15 km²
NATURAL FLOW
DATA CONTRIBUTED BY - HINTON FORESTRY SCHOOL

CACHE PERCOTTE CREEK NEAR HINTON - STATION NO 07AD003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1965	0.997 AT 14:00 MST ON JUL 8 *	0.854 ON JUL 8	---	---	1965
1966	0.473 AT 14:00 MST ON AUG 5	0.300 ON AUG 28	---	---	1966
1967	0.391 AT 22:00 MST ON JUN 17	0.294 ON JUN 18	0.001E ON SEP 17	550	1967
1968	0.071 AT 08:30 MST ON MAY 10	0.045 ON MAY 9	0.003 ON JUN 21	189	1968
1969	0.949 AT 17:00 MST ON AUG 5	0.702 ON AUG 5 *	---	---	1969
1970	0.232 AT 23:00 MST ON JUN 15	0.150 ON JUN 16	0 E ON OCT 21 *	235	1970
1971	0.816 AT 20:30 MST ON JUL 11	0.648 ON JUL 11	0.004E ON SEP 16	869	1971
1972	0.518 AT 01:30 MST ON JUN 25	0.439 ON JUN 25	0.012 ON JUN 10	859	1972
1973	0.422 AT 17:35 MST ON JUN 24	0.278 ON MAY 27	0.006 ON AUG 15	803	1973
1975	0.337 AT 16:30 MST ON JUN 28	0.238 ON JUN 28	0.001 ON AUG 1	203	1975
1976	0.357 AT 14:50 MST ON AUG 16	0.269 ON AUG 16	0.001 ON JUN 16	231	1976
1977	0.725 AT 17:30 MST ON MAY 29	0.442 ON MAY 29	0.002 ON JUN 30	1 310	1977
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		570	MEAN

CADOTTE RIVER AT OUTLET CADOTTE LAKE - STATION NO 07HB001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	0.082	0.114	2.49	6.82	9.78	1.48	0.692	0.182	---	---	2.61	1984
1985	---	---	0.146	1.90	4.59	0.867	0.014	0.003	0.001	0.001	---	---	0.916	1985
1986	---	---	0.055	0.387	0.534	0.046	0.480	0.048	0.005	0.004	---	---	0.197	1986
MEAN	---	---	0.088	0.800	2.54	2.44	3.43	0.510	0.033	0.062	---	---	1.24	MEAN

LOCATION - LAT 58 29 12 N, LONG 116 25 58 W
DRAINAGE AREA, 881 km²
REGULATED

CADOTTE RIVER AT OUTLET CADOTTE LAKE - STATION NO. 07HB001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	18.5 AT 09:30 MST ON JUL 11 *	18.4 A ON JUL 11 *	0.009 ON MAR 28	55 200	1984
1985	8.05 AT 17:00 MST ON MAY 6	5.71 ON MAY 6	0 ON AUG 29 *	19 400	1985
1986	2.87 AT 17:30 MST ON MAY 7	1.12 ON JUL 21	0 B ON MAR 1	4 160	1986
				26 300	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

CAIRN HILL SPILLWAY NEAR STRANGMUIR - STATION NO. 05BM010

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1951	---	---	---	---	---	0.644	0.687	0.494	0.381	0.108	---	---	---	1951
1952	---	---	---	---	---	0.372	0.192	0.466	0.991	0.227	---	---	---	1952
1953	---	---	---	---	0.330	0.612	0.311	0.683	0.823	0.309	---	---	0.509	1953
1954	---	---	---	---	0.905	1.10	0.373	0.455	0.541	0.261	---	---	0.804	1954
1955	---	---	---	---	0.133	0.144	0.705	0.289	0.228	0.190	---	---	0.276	1955
1956	---	---	---	---	0.235	0.786	0.250	0.229	0.336	0.183	---	---	0.315	1956
1957	---	---	---	---	0.465	0.387	0.086	0.042	0.033	0.142	---	---	0.194	1957
1958	---	---	---	---	0.371	0.712	0.827	0.182	0.078	0.027	---	---	0.386	1958
1959	---	---	---	---	0.284	0.844	0.720	0.370	0.972	0.261	---	---	0.571	1959
MEAN	---	---	---	---	0.389	0.620	0.480	0.357	0.477	0.185	---	---	0.405	MEAN

LOCATION - LAT 50 54 30 N, LONG 113 24 30 W REGULATED

CAIRN HILL SPILLWAY NEAR STRANGMUIR - STATION NO. 05BM010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1951	---	2.69 ON AUG 18	---	---	1951
1952	---	1.93 ON JUN 22	---	---	1952
1953	---	2.83 ON JUN 13	0.011 ON OCT 22	8 100	1953
1954	---	2.80 ON MAY 14	0.017 ON JUL 19	9 590	1954
1955	---	2.27 ON JUL 5	0 ON JUL 17 *	4 390	1955
1956	---	3.00 ON MAY 31	0.057 ON JUL 22	5 010	1956
1957	---	3.23 ON MAY 7 *	0.025 ON JUL 24	3 070	1957
1958	---	1.78 ON JUN 3	0.006 ON OCT 20	5 820	1958
1959	---	1.90 ON MAY 12	0.006 ON OCT 27	9 080	1959
				8 440	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CAIRN HILL SPILLWAY NEAR THE MOUTH - STATION NO. 05BM012

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	---	---	0.432	0.044	0.018	0.008	0.882	0.300	---	---	0.243	1980
1981	---	---	---	---	0.810	0.182	0.088	0.155	0.082	0.088	---	---	0.228	1981
1982	---	---	---	---	1.26	1.15	0.467	1.84	1.35	0.677	---	---	1.04	1982
1983	---	---	---	---	0.393	0.678	0.233	0.187	0.182	0.107	---	---	0.276	1983
1984	---	---	---	---	0.820	0.766	0.496	0.388	1.18	0.368	---	---	0.863	1984
1985	---	---	---	---	0.818	0.883	0.418	0.815	0.885	0.501	---	---	0.869	1985
1986	---	---	---	---	0.514	0.516	0.357	0.278	0.374	0.242	---	---	0.379	1986
1987	---	---	---	---	0.524	0.284	0.529	0.487	0.448	0.375	---	---	0.442	1987
1988	---	---	---	---	0.639	0.906	0.547	1.29	1.57	0.481	---	---	0.800	1988
1989	---	---	---	---	0.351	0.863	0.346	0.209	0.916	0.338	---	---	0.500	1989
1970	---	---	---	---	0.504	1.00	0.573	0.373	0.943	0.503	---	---	0.647	1970
1971	---	---	---	---	0.423	0.211	0.181	0.143	0.113	0.089	---	---	0.196	1971
1972	---	---	---	---	0.403	0.648	0.844	0.600	0.400	0.201	---	---	0.482	1972
1973	---	---	---	---	0.233	0.432	0.224	0.444	0.597	0.262	---	---	0.362	1973
1974	---	---	---	---	0.839	0.888	0.570	0.707	0.578	0.056	---	---	0.539	1974
1975	---	---	---	---	0.587	1.14	0.378	0.187	0.781	0.171	---	---	0.533	1975
1976	---	---	---	---	0.400	0.857	0.154	0.225	0.829	0.529	0.118	---	0.430	1976
1977	---	---	---	---	0.472	0.491	0.085	0.288	0.892	0.328	---	---	0.367	1977
1978	---	---	---	---	0.315	0.488	0.232	0.597	0.781	0.175	---	---	0.428	1978
1979	---	---	---	---	0.284	0.503	0.346	0.727	0.350	0.035	---	---	0.375	1979
1980	---	---	---	---	0.735	1.25	0.425	0.607	0.849	0.070	---	---	0.651	1980
1981	---	---	---	---	0.784	0.414	2.12	0.391	0.185	0.078	---	---	0.884	1981
1982	---	---	---	---	0.262	0.295	0.165	0.237	0.178	---	---	---	---	1982
1983	---	---	---	---	0.118	0.271	0.261	0.208	0.803	0.380	---	---	0.286	1983
1984	---	---	---	---	0.178	0.473	0.278	0.386	0.297	0.149	0.015	---	0.282	1984
1985	---	---	---	---	0.100	0.178	0.175	0.258	0.848	0.058	0.009	---	0.234	1985
1986	---	---	---	---	0.170	0.134	0.238	0.105	0.387	0.882	0.015	0.001	0.271	1986
MEAN	---	---	---	---	0.480	0.575	0.391	0.428	0.812	0.288	0.039	0.001	0.487	MEAN

LOCATION - LAT 50 51 30 N, LONG 113 21 05 W REGULATED

CAIRN HILL SPILLWAY NEAR THE MOUTH - STATION NO. 05BM012

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1980	---	2.83 ON SEP 23	0 ON JUL 11 *	3 870	1980
1981	---	1.98 ON MAY 3	0.006 ON MAY 23	3 630	1981
1982	---	2.97 ON SEP 9	0.017 ON OCT 30	16 800	1982
1983	---	3.14 ON JUN 23	0.028 ON OCT 31	4 380	1983
1984	---	2.53 ON JUN 16	0.008 ON MAY 1	10 500	1984
1985	---	2.83 ON JUL 9	0.025 ON OCT 29	10 800	1985
1986	---	2.49 ON JUL 3	0.008 ON OCT 30	6 030	1986
1987	---	1.36 ON MAY 26	0.014A ON OCT 26	7 030	1987
1988	---	2.17 ON SEP 22	0.014E ON MAY 1	14 300	1988
1989	---	2.81 ON JUN 26	0.001B ON OCT 30	7 950	1989
1970	---	2.76 ON JUN 14	0.024 ON OCT 30	10 300	1970
1971	---	1.26 ON MAY 18	0.037A ON OCT 25	3 110	1971
1972	---	1.59 ON AUG 14	0.026 ON MAY 3	7 880	1972
1973	---	3.06 ON AUG 28	0.012 ON OCT 21	5 760	1973
1974	---	1.82 ON AUG 14	0.013 ON OCT 24	8 580	1974
1975	---	2.27 ON JUN 9	0.013 ON OCT 25	8 470	1975
1976	---	2.50 ON OCT 3	0.078 ON JUL 18	6 840	1976
1977	---	1.73 ON AUG 30	0.017E ON OCT 31	6 150	1977
1978	---	1.96 ON AUG 18	0.012 ON OCT 31	6 770	1978
1979	---	1.41 ON AUG 9	0.008E ON OCT 31	5 980	1979
1980	---	3.82 ON MAY 27 *	0.010E ON OCT 31	10 300	1980
1981	---	3.37 ON JUL 15	0.028 ON OCT 22	10 800	1981
1982	---	---	---	---	1982
1983	---	1.42 ON OCT 1	0.013A ON OCT 27	4 550	1983
1984	---	1.74 ON JUL 31	0.027 ON MAY 1	4 640	1984
1985	---	2.02 ON SEP 13	0.013 ON OCT 25	3 720	1985
1986	---	2.20 ON SEP 28	0.003 ON MAY 3	4 310	1986
				7 420	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CALLUM CREEK AT WALDRON'S RANCH - STATION NO. 05AA029

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	0.239	0.384	0.441	0.385	0.116	0.087	0.041	0.042	---	---	0.212	1973
MEAN	---	---	0.239	0.384	0.441	0.385	0.116	0.087	0.041	0.042	---	---	0.212	MEAN

LOCATION - LAT 49 48 37 N, LONG 114 07 56 W
DRAINAGE AREA, 185 km^2
NATURAL FLOW

CALLUM CREEK AT WALDRON'S RANCH - STATION NO. 05AA029

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	1.35 ON MAY 26 *	0.031 ON SEP 30 *	4 490	1973
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		4 490	MEAN

CALUMET RIVER NEAR FORT MACKAY - STATION NO. 07DA014

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	---	0.234	0.312	0.207	0.071	0.007	---	1975
1976	0.003	0	0	1.42	0.251	0.040	0.081	0.120	0.081	0.125	0.026	0.001	0.176	1976
1977	0	0	0	0.084	0.062	0.075	0.238	0.042	0.047	0.109	0.042	0.003	0.059	1977
MEAN	0.002	0	0	0.752	0.157	0.058	0.160	0.132	0.140	0.147	0.045	0.004	0.118	MEAN

LOCATION - LAT 57 24 12 N, LONG 111 40 57 W
DRAINAGE AREA, 183 km^2
NATURAL FLOW

CALUMET RIVER NEAR FORT MACKAY - STATION NO. 07DA014

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	---	---	1975
1976	---	---	---	---	1976
1977	0.816 AT 07:45 MST ON JUN 5 *	3.71 A ON APR 15 *	0 B ON JAN 27 *	5 580	1976
		0.603 ON JUL 10	0 B ON JAN 1	1 850	1977
				3 720	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CAMERON CREEK AT WATERTON PARK - STATION NO. 05AD005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1916	0.459	0.788	0.784	1.11	4.44	12.7	5.22	1.67	1.67	0.625	0.907	0.504	2.65	1916
1917	0.389	0.347	0.295	0.402	10.0	12.8	4.47	0.961	0.526	0.487	0.472	1.04	2.69	1917
1918	0.806	0.431	0.427	1.87	5.10	7.06	1.78	1.06	0.887	0.725	0.476	0.341	1.75	1918
1919	0.367	0.414	0.441	1.91	6.04	4.08	1.30	0.526	0.300	0.736	0.455	0.335	1.38	1919
1920	0.347	0.379	0.285	---	---	---	---	---	---	---	---	---	---	1920
MEAN	0.470	0.468	0.446	1.32	6.40	9.18	3.44	1.05	0.848	0.543	0.578	0.555	2.12	MEAN

LOCATION - LAT 49 03 05 N, LONG 113 54 57 W. DRAINAGE AREA, 78.7 km². NATURAL FLOW

CAMERON CREEK AT WATERTON PARK - STATION NO. 05AD005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1916	---	23.4 ON JUN 18	0.0288 ON DEC 31 *	83 700	1916
1917	---	26.7 A ON JUN 9 *	0.283A ON MAR 17	84 900	1917
1918	---	14.9 ON JUN 10	0.2328 ON DEC 24	55 200	1918
1919	---	13.9 ON MAY 27	0.2278 ON NOV 28	43 800	1919
1920	---	0.708B ON JAN 28	0.2108 ON MAR 10	---	1920
				66 900	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

CAMERON LATERAL SPILL TO CHIN RESERVOIR - STATION NO. 05AG011

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	---	---	---	1.37	---	---	---	1966
1967	---	---	---	---	0.832	0.350	0.896	1.17	1.52	0.883	---	---	0.958	1967
1968	---	---	---	---	0.377	1.30	0.895	1.44	1.21	0.730	---	---	0.853	1968
1969	---	---	---	---	0.528	1.10	0.440	0.848	---	---	---	---	---	1969
1970	---	---	---	---	0.427	0.738	0.585	0.568	0.818	0.597	---	---	0.620	1970
1971	---	---	---	---	0.218	0.741	0.332	0.707	0.494	0.848	---	---	0.556	1971
1972	---	---	---	---	---	---	---	---	---	---	---	---	---	1972
MEAN	---	---	---	---	0.476	0.846	0.610	0.947	1.01	0.884	---	---	0.772	MEAN

LOCATION - LAT 49 46 30 N, LONG 112 27 40 W. REGULATED

CAMERON LATERAL SPILL TO CHIN RESERVOIR - STATION NO. 05AG011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1966	---	---	---	---	1966
1967	---	2.76 ON SEP 24 *	0 ON MAY 1 *	15 200	1967
1968	---	2.42 ON JUN 9	0 ON MAY 4	15 200	1968
1969	---	1.96 ON JUN 25	0 ON MAY 4	---	1969
1970	---	1.96 ON JUN 15	0 ON MAY 1	9 880	1970
1971	---	1.36 ON JUN 11	0 ON MAY 2	8 830	1971
1972	---	---	0 ON MAY 18	---	1972
				12 300	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CAMROSE CREEK AT CAMROSE - STATION NO. 05FA010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1928	---	---	---	---	0.188	0.055	0.014	0.011	0.001	0	---	0	---	1928
1929	0	0	0.010	0.071	0.001	0	0	0	0	0.052	0.026	0	0.013	1929
1930	0	0	0.002	0.006	0	0	0.001	---	0	---	---	---	---	1930
MEAN	0	0	0.006	0.039	0.063	0.022	0.005	0.006	0	0.026	0.025	0	0.013	MEAN

LOCATION - LAT 53 01 00 N, LONG 112 50 00 W. DRAINAGE AREA, 496 km². NATURAL FLOW

CAMROSE CREEK AT CAMROSE - STATION NO 05FA010

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1928	---	---		---	1928
1929	---	0.1768 ON APR 15 *	0 ON JUL 11 *	---	1929
			0 ON JAN 1	418	
1930	---	0.037 ON APR 1	0 ON JAN 1	---	1930
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		418	MEAN

CANADA LAND AND IRRIGATION CO CANAL NEAR INTAKE - STATION NO 05BM005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1922	---	---	---	0	0	2.84	4.94	6.27	6.26	6.27	1.23	---	3.47	1922
1923	---	---	---	0	0.804	0.392	4.17	5.88	4.93	0.712	0	---	2.12	1923
1924	---	---	---	0.094	1.51	3.52	5.22	5.85	5.61	1.56	0	---	2.93	1924
1925	---	---	---	0	0.060	0.384	0.480	0.587	0.544	0.078	0	---	0.265	1925
1926	---	---	---	1.98	5.72	5.64	5.44	7.59	0	0	0	---	3.45	1926
1928	---	---	---	1.34	5.16	4.73	0.505	0.639	5.18	5.21	0	---	2.85	1928
1929	---	---	---	1.38	5.48	0.403	4.85	7.51	7.22	7.15	1.40	---	4.46	1929
1930	---	---	---	5.47	7.21	5.84	7.13	6.87	6.32	---	---	---	---	1930
MEAN	---	---	---	1.28	3.24	3.04	4.21	5.15	4.51	3.00	0.378	---	2.79	MEAN

LOCATION - LAT 50 49 00 N
LONG 113 26 30 W REGULATED

CANADA LAND AND IRRIGATION CO CANAL NEAR INTAKE - STATION NO 05BM005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1922	---	5.85 ON AUG 22	0 ON APR 1 *	73 000	1922
1923	---	6.74 ON AUG 6	0 ON APR 1	44 800	1923
1924	---	7.05 ON SEP 6	0 ON APR 1	61 900	1924
1925	---	0.883 ON AUG 15	0 ON APR 1	5 580	1925
1926	---	7.90 ON AUG 17	0 ON APR 1	72 500	1926
1928	---	7.79 ON MAY 23	0 ON APR 1	60 000	1928
1929	---	8.52 ON AUG 7 *	0 ON APR 1	94 000	1929
1930	---	8.04 ON JUL 18	---	---	1930
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		58 800	MEAN

CANADIAN ST MARY CANAL AT DROP NO 1 - STATION NO 05AF028

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1956	---	---	---	0.119	11.4	31.4	15.8	20.3	8.37	4.21	---	---	---	1956
1957	---	---	---	0	17.1	35.4	29.7	28.1	19.2	10.4	---	---	---	1957
1958	---	---	---	0.350	8.19	24.1	26.1	28.2	20.1	13.6	---	---	---	1958
1959	---	---	0.046	0.001	3.63	20.1	19.6	31.2	19.4	14.3	---	---	---	1959
1960	---	---	---	0.488	7.27	21.7	41.8	41.4	26.7	19.3	---	---	---	1960
1961	---	---	0.117	0.327	17.0	45.0	39.9	26.2	26.4	9.57	10.3	5.84	21.9	1961
1962	0.104	0.052	0.260	20.9	41.9	47.3	44.9	30.1	19.3	14.1	3.23	---	27.8	1962
1963	---	---	0.003	5.17	36.0	51.1	31.0	30.7	28.8	18.5	---	---	---	1963
1964	---	---	0.004	0.017	8.38	28.2	46.1	46.7	16.9	9.88	---	---	---	1964
1965	---	---	0.050	0.074	5.84	11.7	8.84	26.4	6.96	5.28	---	---	---	1965
1966	---	---	0.003	0	11.8	7.03	13.6	21.4	14.6	9.78	---	---	---	1966
1967	---	---	---	0.021	0.412	6.82	38.1	29.8	34.2	23.0	---	---	---	1967
1968	---	---	---	2.81	19.2	28.0	40.9	32.0	13.5	5.58	---	---	---	1968
1969	---	---	---	0.074	17.0	29.3	20.9	35.4	38.7	8.58	---	---	---	1969
1970	---	---	---	5.66	21.8	35.7	37.7	36.3	22.3	8.46	---	---	---	1970
1971	---	---	---	1.54	14.1	32.2	46.5	42.0	24.7	12.6	---	---	---	1971
1972	---	---	---	0	13.4	12.8	40.6	49.8	29.8	8.15	---	---	---	1972
1973	---	---	---	0	38.2	42.0	55.2	50.3	22.0	7.87	---	---	---	1973
1974	---	---	---	0	13.1	39.6	59.3	38.6	30.1	13.3	---	---	---	1974
1975	---	---	---	0.234	0.136	7.56	37.2	36.7	16.1	8.31	---	---	---	1975
1976	---	---	---	2.40	33.6	48.5	52.0	28.3	20.4	17.7	---	---	---	1976
1977	---	---	---	6.98	42.0	56.4	50.1	48.1	23.3	8.84	---	---	---	1977
1978	---	---	---	0	0.809	8.87	41.8	30.6	8.85	3.08	---	---	---	1978
1979	---	---	---	0	4.91	48.2	61.4	41.6	23.9	16.8	---	---	---	1979
1980	---	---	---	0.417	41.9	33.2	46.9	41.6	31.3	13.6	---	---	---	1980
1981	---	---	---	0.594	26.1	34.3	57.7	30.5	33.9	26.1	---	---	---	1981
1982	---	---	---	14.3	39.5	39.5	53.6	51.2	27.5	6.10	---	---	---	1982
1983	---	---	---	2.51	22.8	51.7	55.9	52.3	45.7	8.46	---	---	---	1983
1984	---	---	---	1.84	35.6	61.8	55.6	58.7	51.7	26.5	---	---	---	1984
1985	---	---	---	0	10.8	69.5	70.8	50.3	41.6	7.28	0	---	30.1	1985
1986	---	---	---	2.75	19.6	64.4	70.3	54.1	27.8	3.01	0	---	30.4	1986
MEAN	0.104	0.052	0.089	2.24	18.8	34.2	42.8	37.7	24.9	11.6	3.36	6.94	27.8	MEAN

LOCATION - LAT 49 26 05 N
LONG 112 41 53 W REGULATED

CANADIAN ST MARY CANAL AT DROP NO. 1 - STATION NO 05AF028

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1956	---			---	1956
1957	---	47.3 ON JUN 15	0 ON OCT 26 *	---	1957
1958	---	68.2 ON JUN 7	0 ON APR 1	---	1958
1959	---	29.7 ON JUL 27	0 E ON APR 1	---	1959
		32.6 ON AUG 20	0 ON APR 1	---	
1960	---	52.1 ON AUG 7	0 ON OCT 28	---	1960
1961	---	57.5 ON JUN 14	0 ON NOV 1	481 000	1961
1962	---	52.4 ON JUN 13	0 ON NOV 7	586 000	1962
1963	---	58.8 ON JUN 20	0.006E ON APR 1	---	1963
1964	---	58.6 ON JUL 25	0 E ON APR 13	---	1964
1965	---	43.0 ON AUG 4	0 ON MAY 1	---	1965
1966	---	30.0 ON JUL 25	0 ON APR 1	---	1966
1967	---	54.8 ON JUL 18	0 ON APR 14	---	1967
1968	---	53.8 ON JUL 23	0 ON APR 1	---	1968
1969	---	44.2 ON JUN 22	0 ON APR 23	---	1969
1970	---	82.6 ON JUN 10	0 ON APR 1	---	1970
1971	---	81.2 ON JUL 22	0 ON APR 1	---	1971
1972	---	53.0 ON AUG 10	0 E ON APR 1	---	1972
1973	---	82.9 ON JUL 14	0 ON APR 1	---	1973
1974	---	84.3 ON JUL 28	0 E ON APR 1	---	1974
1975	---	56.9 ON JUL 19	0 ON APR 1	---	1975
1976	---	58.6 ON JUN 12	0 ON APR 1	---	1976
1977	---	85.1 ON JUN 11	0 E ON APR 1	---	1977
1978	---	52.4 ON JUL 17	0 ON APR 1	---	1978
1979	---	86.8 ON JUL 17	0 ON APR 1	---	1979
1980	---	56.8 ON JUN 26	0 A ON APR 1	---	1980
1981	---	63.4 ON JUL 8	0 ON APR 1	---	1981
1982	---	85.4 ON JUN 29	0 E ON APR 1	---	1982
1983	---	62.1 ON AUG 14	0 ON APR 1	---	1983
1984	---	75.3A ON JUL 28	0 ON APR 1	---	1984
1985	---	75.2 ON JUL 18	0 ON APR 1	835 0[illegible]	1985
1986	---	81.3 ON JUN 29 *	0 ON APR 1	840 0	1986
				581 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

CANADIAN ST MARY CANAL AT KIMBALL - STATION NO 05AE004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	0.537	9.00	8.78	6.29	5.64	6.92	1.88	0	---	4.87	1915
1916	---	---	---	0.430	5.98	5.33	7.18	7.19	4.83	0.839	0	---	4.01	1916
1917	---	---	---	0.298	3.38	7.70	11.8	11.4	6.53	4.31	0	---	5.72	1917
1918	---	---	---	0.385	11.1	15.8	16.5	13.0	10.8	4.53	0	---	9.05	1918
1919	---	---	---	1.13	10.8	20.3	16.1	10.6	6.43	2.75	0	---	8.54	1919
1920	---	---	---	0.384	3.37	16.2	22.4	14.9	13.7	13.7	1.98	---	10.9	1920
1921	---	---	---	3.68	10.3	22.7	24.0	16.3	11.3	15.6	0	---	13.0	1921
1922	---	---	---	1.02	11.6	19.7	18.5	14.7	9.25	6.48	0.626	---	10.4	1922
1923	---	---	---	0.825	11.9	19.1	17.4	13.6	16.8	9.52	0.053	---	11.2	1923
1924	---	---	---	0.520	13.9	19.3	22.6	14.2	10.1	5.71	0	---	10.8	1924
1925	---	---	---	0	12.2	22.6	20.1	14.7	11.4	3.84	0	---	10.6	1925
1926	---	---	---	4.98	15.2	15.3	13.1	8.37	11.1	6.52	0	---	9.35	1926
1927	---	---	---	0.582	6.55	6.76	11.2	14.2	12.9	4.92	0	---	7.18	1927
1928	---	---	---	0	9.81	13.6	4.01	9.03	12.0	1.31	0	---	6.22	1928
1929	---	---	---	0	6.89	5.70	13.4	9.66	6.35	5.21	0	---	5.85	1929
1930	---	---	---	1.44	8.72	20.5	19.4	10.7	8.80	4.36	0	---	9.26	1930
1931	---	---	0.304	3.34	17.8	20.3	14.7	12.1	10.7	7.49	2.40	---	11.1	1931
1932	---	---	---	4.50	11.3	14.2	19.1	12.0	9.26	5.95	0	---	8.57	1932
1933	---	---	---	0.633	6.59	22.7	23.1	16.0	11.8	4.59	0	---	10.7	1933
1934	---	---	---	1.69	15.0	14.6	16.3	11.8	8.89	4.85	0	---	9.58	1934
1935	---	---	---	0.443	8.02	20.8	23.2	13.2	7.64	3.87	0	---	9.70	1935
1936	---	---	---	3.54	13.8	20.7	15.0	8.54	4.74	3.16	0.372	---	8.76	1936
1937	---	---	---	2.78	22.8	23.0	22.1	11.0	6.77	0.685	0	---	11.2	1937
1938	---	---	---	6.13	12.3	24.5	21.3	11.0	8.68	2.52	0	---	10.8	1938
1939	---	---	---	5.30	24.0	9.87	13.2	9.76	5.51	2.02	1.01	0.386	8.85	1939
1940	---	---	---	4.90	14.0	25.5	14.7	7.44	8.01	7.61	0	---	10.3	1940
1941	---	---	---	2.75	16.1	14.7	16.7	8.29	9.29	6.38	0	---	9.31	1941
1942	---	---	---	4.28	11.6	9.17	15.1	11.7	9.58	6.56	0	---	8.56	1942
1943	---	---	---	2.11	9.08	22.7	28.8	18.4	10.1	5.80	0	---	12.3	1943
1944	---	---	---	2.76	18.0	22.4	15.4	11.2	7.88	5.46	0.064	---	10.4	1944
1945	---	---	---	2.82	10.7	12.1	18.8	10.0	8.46	5.58	0.915	0.307	8.71	1945
1946	---	---	---	2.63	22.6	18.0	21.0	12.1	11.0	7.68	4.40	---	12.5	1946
1947	---	---	---	0	7.56	14.6	22.2	13.1	10.3	12.9	0	---	10.1	1947
1948	---	---	---	0	3.02	6.40	16.4	13.3	8.85	6.57	0	---	6.84	1948
1949	---	---	---	6.14	16.9	14.7	18.2	9.30	9.52	8.81	0.080	---	10.2	1949
1950	---	---	---	5.08	14.1	23.8	22.3	20.7	9.28	15.6	11.9	---	15.4	1950
1951	---	---	---	0	12.0	19.7	21.9	15.4	2.20	0	0	---	8.86	1951
MEAN	---	---	0.304	2.11	12.0	16.6	17.4	12.0	9.12	5.76	0.643	0.337	9.48	MEAN

LOCATION - LAT 49 04 31 N
LONG 113 12 43 W REGULATED

CANADIAN ST. MARY CANAL AT KIMBALL - STATION NO. 05AE004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---				
1916	---	10.6 ON MAY 24	0 ON APR 1 *	103 000	1915
1917	---	10.1 ON MAY 21	0 ON APR 1	84 400	1916
1918	---	12.7 ON JUL 23	0 ON APR 1	121 000	1917
1919	---	18.4 ON JUN 30	0 ON APR 1	191 000	1918
		22.0 ON JUN 28	0 ON APR 1	180 000	1919
1920	---				
1921	---	24.4 ON JUL 3	0 ON APR 1	229 000	1920
1922	---	27.3 ON JUN 26	0 ON APR 1	275 000	1921
1923	---	24.7 ON JUL 5	0 ON APR 1	220 000	1922
1924	---	20.7 ON MAY 31	0 ON APR 1	236 000	1923
		26.8 ON JUL 19	0 ON APR 1	229 000	1924
1925	---				
1926	---	24.7 ON JUN 11	0 ON APR 1	224 000	1925
1927	---	19.1 ON JUN 9	0 ON APR 1	197 000	1926
1928	---	15.8E ON AUG 10	0 ON APR 1	151 000	1927
1929	---	26.3 ON JUN 4	0 ON APR 1	131 000	1928
		17.2 ON JUL 5	0 ON APR 1	126 000	1929
1930	---				
1931	---	25.3 ON JUN 30	0 ON APR 1	185 000	1930
1932	---	21.9 ON AUG 1	0 ON NOV 15	235 000	1931
1933	---	24.6 ON JUN 15	0 ON APR 1	202 000	1932
1934	---	27.5 ON JUN 15	0 ON APR 1	226 000	1933
		27.0 ON MAY 30	0 ON APR 1	202 000	1934
1935	---				
1936	---	26.3 ON JUN 20	0 ON APR 1	205 000	1935
1937	---	27.5 ON JUN 27	0 ON APR 1	185 000	1936
1938	---	30.9 ON JUL 6	0 ON APR 1	236 000	1937
1939	---	30.0 ON JUN 23	0 ON APR 1	228 000	1938
		28.6 ON MAY 18	0 ON APR 1	187 000	1939
1940	---				
1941	---	30.3 ON JUN 13	0 ON APR 1	217 000	1940
1942	---	22.2 ON JUL 4	0 ON APR 1	196 000	1941
1943	---	22.2 ON JUL 24	0 ON APR 1	180 000	1942
1944	---	31.1A ON JUN 28 *	0 ON APR 1	259 000	1943
		24.9 ON JUN 30	0 ON APR 1	220 000	1944
1945	---				
1946	---	25.6 ON JUL 15	0 ON APR 1	184 000	1945
1947	---	26.2 ON MAY 16	0 ON APR 1	263 000	1946
1948	---	26.7 ON JUL 10	0 ON APR 1	214 000	1947
1949	---	22.6 ON JUL 21	0 ON APR 1	144 000	1948
		26.3 ON MAY 14	0 ON APR 1	216 000	1949
1950	---				
1951	---	28.6 ON JUN 22	0 ON APR 1	324 000	1950
		27.6 ON MAY 23	0 ON APR 1	189 000	1951
				200 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

CANADIAN ST. MARY CANAL NEAR MAGRATH - STATION NO. 05AE015

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1918	---	---	---	0	8.10	12.6	14.6	10.2	9.37	2.77	---	---	8.25	1918
1919	---	---	---	0	6.86	17.8	15.0	8.10	5.74	1.63	---	---	8.01	1919
1920	---	---	---	0	0.601	11.5	13.8	12.5	11.2	10.5	---	---	8.58	1920
1921	---	---	---	1.81	8.86	18.3	20.8	14.8	10.0	11.3	---	---	12.4	1921
1922	---	---	---	0.392	8.45	16.4	14.1	13.2	7.80	3.86	---	---	9.21	1922
1923	---	---	---	0	8.24	8.81	9.40	9.73	9.57	8.60	---	---	7.80	1923
1924	---	---	---	0	10.6	12.2	19.3	12.9	9.14	5.24	---	---	9.96	1924
1925	---	---	---	0	8.86	16.7	15.1	13.3	10.4	2.80	---	---	9.83	1925
1926	---	---	---	3.89	13.7	13.0	11.5	7.40	9.82	1.17	---	---	8.61	1926
1927	---	---	---	0	4.10	4.19	8.88	10.7	9.62	3.88	---	---	5.80	1927
1928	---	---	---	0	7.57	9.88	3.24	7.03	10.5	0.897	---	---	5.54	1928
1929	---	---	---	0	5.57	1.54	10.4	8.36	5.51	4.80	---	---	5.18	1929
1930	---	---	---	0.282	6.42	17.8	17.9	9.58	6.92	2.62	---	---	8.80	1930
1931	---	---	---	2.71	15.0	17.7	13.5	11.0	9.67	7.62	---	---	11.0	1931
1932	---	---	---	1.08	8.74	11.2	15.9	10.7	8.22	4.73	---	---	8.89	1932
1933	---	---	---	0	3.57	17.7	18.5	13.5	9.29	3.91	---	---	9.50	1933
1934	---	---	---	0.954	16.1	11.8	13.9	10.8	8.88	3.88	---	---	9.46	1934
1935	---	---	---	0	5.80	17.8	18.0	10.9	6.74	3.65	---	---	9.07	1935
1936	---	---	---	0.317	8.10	14.3	13.7	7.06	3.89	2.92	---	---	7.19	1936
1937	---	---	---	2.67	19.1	17.4	19.0	9.53	5.77	0.638	---	---	10.6	1937
1938	---	---	---	4.84	10.2	21.4	17.8	10.2	7.47	2.49	---	---	10.6	1938
1939	---	---	---	3.31	18.8	4.26	10.4	8.81	4.71	1.93	---	---	7.48	1939
1940	---	---	---	0.452	11.9	21.5	13.9	8.38	7.28	7.49	---	---	9.84	1940
1941	---	---	---	1.63	13.2	12.0	14.9	7.55	8.08	4.08	---	---	8.80	1941
1942	---	---	---	2.82	7.43	5.58	12.6	9.00	6.49	5.54	---	---	7.09	1942
1943	---	---	---	1.03	6.11	18.3	21.6	15.6	8.83	5.21	---	---	11.0	1943
1944	---	---	---	2.22	15.6	17.4	13.4	9.71	6.78	4.74	---	---	10.0	1944
1945	---	---	---	2.45	9.29	8.12	15.8	8.52	7.43	5.25	---	---	8.16	1945
1946	---	---	---	1.24	19.8	12.8	17.8	10.9	9.20	4.58	0.330	---	10.9	1946
1947	---	---	---	0	5.68	9.89	20.4	10.2	5.06	6.08	0.015	---	8.19	1947
1948	---	---	---	0	1.36	3.82	13.8	11.6	7.21	4.02	0.001	---	5.95	1948
1949	---	---	---	3.87	11.8	11.7	18.5	11.7	10.0	7.23	0.283	---	10.7	1949
1950	---	---	---	1.09	9.18	20.8	17.8	17.8	13.5	8.88	---	---	12.4	1950
1951	---	---	---	0	2.01	5.37	5.22	13.1	2.33	4.73	---	---	4.71	1951
MEAN	---	---	---	1.15	9.30	13.0	14.7	10.7	8.01	4.62	0.157	---	8.80	MEAN

LOCATION - LAT 49 26 09 N, LONG 112 49 47 W REGULATED

CANADIAN ST. MARY CANAL NEAR MAGRATH - STATION NO. 05AE015

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (cam^3)	YEAR
1918	---	16.1 ON JUL 13	0 ON APR 1 *	153 000	1918
1919	---	21.0 ON JUN 24	0 ON APR 1	148 000	1919
1920	---	21.6 ON JUL 3	0 ON APR 1	159 000	1920
1921	---	24.6A ON JUN 28	0 ON APR 1	230 000	1921
1922	---	21.4 ON JUN 20	0 ON APR 1	170 000	1922
1923	---	16.1 ON MAY 31	0 ON APR 1	144 000	1923
1924	---	25.8 ON JUL 20	0 ON APR 1	184 000	1924
1925	---	20.7 ON JUL 18	0 ON APR 1	178 000	1925
1926	---	17.9 ON JUN 10	0 ON APR 1	159 000	1926
1927	---	12.8 ON AUG 11	0 ON APR 1	108 000	1927
1928	---	25.0E ON JUN 5	0 ON APR 1	102 000	1928
1929	---	12.1 ON JUL 10	0 ON APR 1	85 700	1929
1930	---	23.7 ON JUL 1	0 ON APR 1	183 000	1930
1931	---	19.7 ON JUN 24	0.566 ON APR 1	204 000	1931
1932	---	17.4 ON JUL 15	0 ON APR 1	161 000	1932
1933	---	24.7 ON JUN 21	0 ON APR 1	176 000	1933
1934	---	24.3 ON MAY 30	0 ON APR 1	175 000	1934
1935	---	22.7 ON JUL 1	0 ON APR 1	168 000	1935
1936	---	23.0 ON JUN 27	0 ON APR 1	133 000	1936
1937	---	27.0 ON JUL 7	0 ON APR 1	196 000	1937
1938	---	28.2 ON JUN 22 *	0 ON APR 1	197 000	1938
1939	---	27.6 ON MAY 18	0 ON APR 1	138 000	1939
1940	---	25.9 ON JUN 14	0 ON APR 1	182 000	1940
1941	---	20.9 ON JUL 1	0 ON APR 1	163 000	1941
1942	---	21.0 ON JUL 24	0 ON APR 1	131 000	1942
1943	---	25.5 ON JUN 26	0 ON APR 1	203 000	1943
1944	---	22.5 ON JUL 1	0 ON APR 1	185 000	1944
1945	---	21.7 ON JUL 14	0 ON APR 1	151 000	1945
1946	---	23.4 ON MAY 27	0 ON APR 1	202 000	1946
1947	---	25.3 ON JUL 11	0 ON APR 1	152 000	1947
1948	---	19.7 ON JUL 23	0 ON APR 1	110 000	1948
1949	---	21.7 ON JUL 11	0 ON APR 1	198 000	1949
1950	---	25.6 ON JUN 21	0 ON APR 1	229 000	1950
1951	---	20.3 ON AUG 8	0 ON APR 1	87 000	1951
				183 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

CANADIAN ST. MARY CANAL NEAR SPRING COULEE - STATION NO. 05AE026

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1952	---	---	---	0	8.50	15.8	19.7	21.0	14.5	8.80	---	---	---	1952
1953	---	---	---	0	5.87	4.49	19.9	26.3	20.9	10.1	---	---	---	1953
1954	---	---	0	0.228	11.4	23.6	42.4	19.9	9.24	5.72	0.006	---	14.2	1954
1955	---	---	---	---	0.026	0.823	21.0	13.4	23.4	17.1	10.7	---	---	1955
1956	---	---	---	---	0.007	13.8	32.9	14.2	22.0	9.70	6.82	---	---	1956
1957	---	---	---	0	22.5	34.7	31.6	28.7	19.9	10.1	---	---	---	1957
1958	---	---	---	---	0.003	9.54	23.4	27.1	28.9	45.5	16.6	---	---	1958
1959	---	---	0.014	0.007	0.395	17.9	25.5	34.6	18.8	23.8	---	---	---	1959
1960	---	---	---	---	0.010	0.085	18.5	44.6	48.6	31.2	16.2	---	---	1960
1961	---	---	0.004	0	18.5	66.7	40.4	24.8	27.8	9.75	---	---	---	1961
1962	---	---	0.006	4.89	47.5	58.7	44.3	25.9	14.5	8.64	14.8	---	27.5	1962
1963	---	---	0	20.8	49.9	55.9	30.4	33.3	25.3	9.68	---	---	---	1963
1964	---	---	---	0.873	8.86	35.8	50.7	48.0	16.6	4.55	---	---	---	1964
1965	---	---	0.001	0.017	7.72	10.9	6.48	28.9	4.88	0.447	---	---	---	1965
1966	---	---	0.004	0.003	5.74	19.0	18.2	19.4	8.93	14.5	---	---	---	1966
1967	---	---	---	0.006	0.020	0.135	30.7	19.8	37.0	26.1	---	---	---	1967
1968	---	---	---	0.670	31.3	28.7	49.4	27.0	2.81	15.2	---	---	---	1968
1969	---	---	---	0.007	18.4	33.3	23.1	38.7	31.2	4.44	---	---	---	1969
1970	---	---	---	0	30.5	48.3	40.5	35.3	28.3	3.72	---	---	---	1970
1971	---	---	---	0.004	16.1	31.9	50.8	42.9	23.8	10.9	---	---	---	1971
1972	---	---	---	0.013	15.8	13.6	48.2	53.0	24.2	5.11	---	---	---	1972
1973	---	---	---	0	41.0	49.8	54.2	43.0	24.8	8.04	---	---	---	1973
1974	---	---	---	0.812	17.1	40.1	55.8	37.3	33.3	16.1	---	---	---	1974
1975	---	---	---	0.120	0.198	1.89	32.4	33.5	15.4	14.3	---	---	---	1975
1976	---	---	---	2.23	39.0	54.9	57.6	27.9	17.6	13.9	---	---	---	1976
1977	---	---	---	8.29	50.4	54.3	55.5	38.1	18.5	3.18	---	---	---	1977
1978	---	---	---	16.2	5.86	10.3	46.2	24.8	1.25	0.089	---	---	---	1978
1979	---	---	---	0.093	7.37	52.1	60.6	30.7	13.7	39.8	---	---	---	1979
1980	---	---	---	1.11	48.1	36.2	50.8	39.4	27.7	12.1	---	---	---	1980
1981	---	---	---	4.18	28.1	33.7	58.7	30.7	35.4	26.8	---	---	---	1981
1982	---	---	---	3.77	52.4	43.7	52.6	41.4	7.59	6.88	---	---	---	1982
1983	---	---	2.81	40.5	28.9	59.8	51.7	54.3	40.8	7.81	---	---	---	1983
1984	---	---	---	11.6	45.4	66.8	71.7	67.6	53.3	19.7	---	---	---	1984
1985	---	---	---	0	19.8	74.1	78.5	57.8	40.8	5.70	0	---	34.7	1985
1986	---	---	---	7.49	24.9	73.2	85.8	54.3	34.5	9.75	0	---	33.8	1986
MEAN	---	---	0.317	3.54	20.8	35.6	42.0	35.2	22.7	11.7	3.70	---	27.6	MEAN

LOCATION - LAT 49 20 39 N, LONG 113 02 35 W REGULATED

CANADIAN ST MARY CANAL NEAR SPRING COULEE - STATION NO 05AE025

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1952	---	27.9 ON JUL 11	0 ON APR 1 *	---	1952
1953	---	27.2 ON AUG 15	0 ON APR 1	---	1953
1954	---	47.6 ON JUL 13	0B ON APR 1	299 000	1954
1955	---	56.6 ON OCT 12	0B ON APR 1	---	1955
1956	---	50.7 ON JUN 14	0E ON APR 25	---	1956
1957	---	71.4 ON JUN 5	0 ON APR 1	---	1957
1958	---	56.9 ON SEP 12	0 ON APR 14	---	1958
1959	---	56.9 ON OCT 2	0 ON APR 20	---	1959
1960	---	52.3 ON AUG 9	0 ON MAY 9	---	1960
1961	---	75.9 ON JUN 18	0E ON APR 1	---	1961
1962	---	53.1 ON JUN 19	0 ON APR 23	579 000	1962
1963	---	57.7 ON JUN 15	0 ON APR 1	---	1963
1964	---	64.0 ON JUL 28	---	---	1964
1965	---	54.4 ON AUG 4	0 ON MAY 7	---	1965
1966	---	58.3 ON OCT 18	0 ON APR 8	---	1966
1967	---	52.4 ON SEP 26	0 ON APR 9	---	1967
1968	---	60.3 ON JUL 11	0 ON APR 10	---	1968
1969	---	49.3 ON JUN 19	0B ON APR 10	---	1969
1970	---	72.8 ON JUN 12	0 ON APR 1	---	1970
1971	---	56.6 ON JUL 15	0 ON APR 9	---	1971
1972	---	57.5 ON JUL 17	0E ON NOV 5	---	1972
1973	---	63.7 ON MAY 26	0 ON APR 1	---	1973
1974	---	62.0 ON AUG 7	0E ON APR 1	---	1974
1975	---	56.4 ON JUL 20	0 ON APR 1	---	1975
1976	---	63.7 ON JUN 1	0 ON APR 1	---	1976
1977	---	60.0 ON JUN 19	0 ON APR 1	---	1977
1978	---	50.1 ON JUL 22	0E ON APR 1	---	1978
1979	---	84.2 ON JUL 11	0 ON APR 1	---	1979
1980	---	61.4 ON MAY 16	0A ON APR 1	---	1980
1981	---	63.4 ON JUL 8	0 ON APR 1	---	1981
1982	---	66.3 ON JUN 29	0E ON APR 1	---	1982
1983	---	70.2 ON JUL 11	0 ON OCT 21	---	1983
1984	---	77.0 ON JUL 28	0 ON APR 14	---	1984
1985	---	80.6 ON JUN 17	0 ON APR 1	731 000	1985
1986	---	81.1 ON JUL 1 *	0 ON APR 1	713 000	1986
				581 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CANAL CREEK NEAR MANYBERRIES - STATION NO 05AF009

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1917	---	---	---	2.01	0.029	0	---	---	---	---	---	---	---	1917
1918	---	---	---	0.085	0	0	0	0	0	0	---	---	---	1918
1919	---	---	---	0.257	0.015	0.045	0	0	0.007	0	---	---	---	1919
1920	---	---	0.638	0.284	0.158	0.052	0	0	0	0	---	---	0.143	1920
1921	---	---	0.348	0.285	0.082	0.039	0.048	0.002	0.060	0	---	---	0.104	1921
1922	---	---	0.091	1.15	0.140	0.002	0.373	0.038	0.002	0	---	---	0.222	1922
1923	---	---	0.296	0.100	0.013	0.378	0.142	0.006	0	0	---	---	0.116	1923
1924	---	0.020	0	0.005	0	0.257	0.041	0.088	0	0	---	---	0.049	1924
1925	---	---	0.833	0.548	---	---	---	0.108	0	0	---	---	---	1925
1926	---	---	0.229	0.174	0	0	---	---	---	---	---	---	---	1926
MEAN	---	0.020	0.348	0.488	0.050	0.088	0.086	0.030	0.007	0	---	---	0.127	MEAN

LOCATION - LAT 49 13 50 N
LONG 110 45 00 W
DRAINAGE AREA 178 km^2
NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1921

CANAL CREEK NEAR MANYBERRIES - STATION NO 05AF009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1917	---	---	---	---	
1918	---	7.14 ON APR 8 *	0 ON MAY 24 *	---	1917
1919	---	---	0 ON MAY 2	---	1918
		---	0 ON APR 12	---	1919
1920	---				
1921	---	2.49 ON MAR 21	0 ON MAR 1	3 030	1920
1922	---	2.04 B ON MAR 28	0B ON MAR 9	2 200	1921
1923	---	3.94 ON JUL 8	0B ON MAR 1	4 700	1922
1924	---	3.43 ON JUN 21	0B ON MAR 14	2 480	1923
		3.40 ON JUN 7	0B ON MAR 1	1 030	1924
1925	---	5.38 ON MAR 22	0B ON MAR 1	---	1925
1926	---	0.9068 ON MAR 3	0B ON MAR 1	---	1926
				2 880	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CANYON CREEK NEAR MANY GLACIER - STATION NO. 05AE031

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1918	---	---	---	---	---	---	0.765	0.588	0.410	0.444	---	---	---	1918
1919	---	---	---	---	1.56	0.972	0.537	0.381	0.183	---	---	---	---	1919
1920	---	---	---	---	---	---	1.54	0.590	0.804	0.421	---	---	---	1920
1921	---	---	---	---	---	2.76	1.27	0.490	0.484	0.809	---	---	---	1921
1922	---	---	---	---	2.35	2.73	1.11	0.543	0.333	0.198	---	---	1.21	1922
1923	---	---	---	---	1.51	2.64	1.22	0.704	0.326	0.425	---	---	1.15	1923
1924	---	---	---	---	1.42	2.24	1.13	0.813	0.287	---	---	---	---	1924
1925	---	---	---	---	1.92	2.54	1.40	0.681	0.520	0.333	---	---	1.23	1925
1926	---	---	---	---	0.825	0.979	0.848	0.400	0.778	---	---	---	---	1926
1927	---	---	---	---	0.972	3.37	1.69	0.998	1.45	1.05	---	---	1.58	1927
1928	---	---	---	---	---	2.10	1.91	0.847	0.434	1.12	---	---	---	1928
1929	---	---	---	---	1.88	1.80	0.929	0.402	0.203	0.283	---	---	0.927	1929
1930	---	---	---	---	1.59	1.89	1.08	0.436	0.535	0.277	---	---	0.982	1930
1931	---	---	---	---	1.70	1.18	0.686	0.551	0.845	0.284	---	---	0.834	1931
1932	---	---	---	---	---	1.55	0.804	0.473	0.245	0.315	---	---	---	1932
1933	---	---	---	---	---	2.49	1.29	0.595	0.424	1.05	---	---	---	1933
1934	---	---	---	---	2.83	2.81	0.923	0.442	0.202	0.247	---	---	1.24	1934
1935	---	---	---	---	---	1.68	0.969	0.453	0.401	0.233	---	---	---	1935
1936	---	---	---	---	---	1.91	0.735	0.371	0.219	0.184	---	---	---	1936
1937	---	---	---	---	---	---	0.885	0.462	0.177	0.402	---	---	---	1937
MEAN	---	---	---	---	1.70	2.11	1.08	0.539	0.444	0.480	---	---	1.14	MEAN

LOCATION - LAT 48 47 30 N, LONG 113 37 40 W DRAINAGE AREA, 19.7 km² NATURAL FLOW INTERNATIONAL GAUGING STATION

CANYON CREEK NEAR MANY GLACIER - STATION NO. 05AE031

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1918	---	---	---	---	1918
1919	5.13 ON MAY 28	4.11 ON MAY 28	---	---	1919
1920	---	---	---	---	1920
1921	---	---	---	---	1921
1922	---	---	---	---	1922
1923	8.92 AT 14 30 MST ON JUN 1	7.99 ON MAY 19	0.147 ON OCT 17	19 200	1923
1924	4.87 AT 02 00 MST ON JUN 15	6.57 ON JUN 1	0.241 ON SEP 29	18 300	1924
1925	3.85 AT 22 00 MST ON JUN 21	3.81 ON JUN 15	---	---	1925
1926	1.78E ON SEP 1	3.60 ON JUN 21	0.278 ON OCT 17	19 500	1926
1927	7.42 AT 03 00 MST ON JUN 9	1.78E ON SEP 1	---	---	1927
1928	---	6.65 ON JUN 8	0.357 ON MAY 10	26 100	1928
1929	9.83 ON MAY 24	---	---	---	1929
1930	4.84 ON MAY 21	9.83 ON MAY 24	0.105 ON OCT 28	14 700	1930
1931	3.51 AT 01 00 MST ON MAY 17	3.48 ON JUN 8	0.178 ON OCT 31	15 600	1931
1932	---	3.14 ON MAY 16	0.113E ON OCT 31	13 200	1932
1933	---	---	---	---	1933
1934	20.4 E ON JUN 8 *	5.88E ON JUN 16	---	---	1934
1935	---	14.2 E ON JUN 8 *	0.071 ON SEP 28 *	18 700	1935
1936	3.08 AT 07 00 MST ON JUN 1	---	---	---	1936
1937	---	3.03 ON JUN 1	---	---	1937
		---	---	---	MEAN
				18 200	

E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CARBONDALE CREEK AT EVAN'S RANCH - STATION NO. 05AA016

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1916	---	---	---	---	13.3	22.2	11.6	4.58	2.83	1.43	2.14	---	---	1916
MEAN	---	---	---	---	13.3	22.2	11.6	4.58	2.83	1.43	2.14	---	---	MEAN

LOCATION - LAT 49 28 20 N, LONG 114 18 00 W DRAINAGE AREA, 311 km² NATURAL FLOW

CARBONDALE CREEK AT EVAN'S RANCH - STATION NO. 05AA016

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1916	---	29.7 ON JUN 21 *	---	---	1916
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CARDINAL RIVER NEAR THE MOUTH - STATION NO 05DD008

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1962	---	---	---	---	8.00	10.1	12.7	8.37	7.23	3.30	---	---	8.27	1962
1963	---	---	---	---	5.82	8.36	5.38	2.92	2.71	2.16	---	---	4.23	1963
1964	---	---	---	---	---	32.1	8.91	4.31	10.6	7.96	---	---	---	1964
1965	---	---	---	---	---	21.3	19.9	7.67	14.2	9.13	---	---	---	1965
1969	---	---	---	---	5.91	6.86	14.8	21.3	5.96	3.97	---	---	9.84	1969
1970	---	---	---	---	10.5	14.7	4.45	2.89	1.83	1.26	---	---	5.91	1970
1971	---	---	---	---	---	---	12.8	3.52	2.24	2.21	---	---	---	1971
1972	---	---	---	---	9.95	20.5	12.0	5.57	---	---	---	---	---	1972
1973	---	---	---	---	14.9	12.4	7.24	4.76	3.95	---	---	---	---	1973
1974	---	---	---	---	8.52	16.7	9.17	4.90	4.83	3.56	---	---	7.92	1974
1975	---	---	---	---	4.15	5.82	5.36	2.88	2.60	1.76	---	---	3.75	1975
1976	---	---	---	---	5.84	5.76	5.23	11.3	4.13	2.67	---	---	5.79	1976
1977	---	---	---	---	11.0	14.9	10.6	10.9	8.61	4.76	---	---	10.1	1977
1978	---	---	---	---	---	---	18.1	8.12	9.88	5.17	---	---	---	1978
1979	---	---	---	---	8.46	7.61	4.99	3.29	2.36	1.85	---	---	4.74	1979
1980	---	---	---	---	5.15	34.6	11.1	7.88	6.12	4.00	---	---	11.4	1980
1981	---	---	---	---	8.82	5.62	14.0	8.84	4.91	3.29	---	---	7.58	1981
1982	---	---	---	---	5.98	11.8	21.4	8.98	5.33	5.23	---	---	8.47	1982
1983	---	---	---	---	7.31	8.32	7.59	3.01	2.14	2.01	---	---	5.08	1983
1984	---	---	---	---	3.52	10.7	4.28	2.70	3.28	4.23	---	---	4.76	1984
1985	---	---	---	---	8.22	7.83	7.82	9.90	10.3	5.27	---	---	7.84	1985
1986	---	---	---	---	9.70	9.34	23.3	8.17	5.44	6.83	---	---	10.5	1986
MEAN	---	---	---	---	7.76	12.7	11.0	6.83	5.67	4.00	---	---	7.32	MEAN

LOCATION - LAT 52 52 04 N DRAINAGE AREA, 495 km²
LONG 116 35 43 W NATURAL FLOW

CARDINAL RIVER NEAR THE MOUTH - STATION NO 05DD008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1962	31.7 AT 22 00 MST ON MAY 19	18.6 ON MAY 20	1.65 ON MAY 6	131 000	1962
1963	17.4 AT 05 00 MST ON MAY 24	13.9 ON MAY 24	1.81 B ON OCT 31	67 400	1963
1964	57.5 AT 04 00 MST ON JUN 19	46.7 ON JUN 19	---	---	1964
1965	84.0 AT 21 00 MST ON MAY 31	51.0 ON MAY 31	---	---	1965
1969	237 AT 03 12 MST ON AUG 5	149 ON AUG 5	2.97 B ON OCT 28	155 000	1969
1970	154 AT 09 40 MST ON JUN 18	95.4 ON JUN 18	0.4538 ON OCT 31 *	93 900	1970
1971	--- ---	--- ---	---	---	1971
1972	94.8E ON JUN 25	53.8 E ON JUN 25	---	---	1972
1973	47.9 AT 02 30 MST ON MAY 17	39.4 ON MAY 18	---	---	1973
1974	40.8 AT 06 10 MST ON JUN 17	31.4 ON JUN 16	2.78 E ON OCT 31	126 000	1974
1975	10.1 AT 07 00 MST ON JUL 2	8.44 ON JUL 2	1.08 B ON OCT 31	59 500	1975
1976	42.2 AT 00 00 MST ON AUG 7	25.3 ON AUG 7	1.78 ON OCT 30	92 100	1976
1977	32.8 AT 00 30 MST ON JUN 8	25.2 ON JUN 8	2.30 ON MAY 1	181 000	1977
1978	106 AT 22 20 MST ON JUL 11	65.2 ON JUL 12	--- ---	---	1978
1979	50.0 AT 01 00 MST ON MAY 27	33.6 ON MAY 27	1.50 E ON OCT 29	75 500	1979
1980	278 AT 07 45 MST ON JUN 4 *	219 ON JUN 4 *	3.11 ON MAY 5	181 000	1980
1981	57.0 AT 22 30 MST ON JUL 14	39.6 ON JUL 30	1.18 ON MAY 5	121 000	1981
1982	90.0 AT 16 25 MST ON JUL 5	63.2 ON JUL 5	2.80 B ON MAY 1	151 000	1982
1983	34.9 AT 15 50 MST ON JUN 24	23.8 ON JUN 24	1.46 ON OCT 24	80 500	1983
1984	19.5 AT 10 35 MST ON JUN 15	17.9 ON JUN 15	1.40 B ON OCT 28	75 700	1984
1985	27.1 AT 09 00 MST ON SEP 13	24.1 A ON SEP 13	1.72 B ON MAY 1	125 000	1985
1986	101 AT 02 27 MST ON JUL 18	85.5 ON JUL 18	1.80 E ON MAY 1	167 000	1986
				116 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CASCADE POWER DIVERSION NEAR BANFF - STATION NO 05BB004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1942	...	...	...	...	...	...	...	...	...	...	11.8	17.5	...	1942
1943	18.9	16.2	16.4	...	7.96	...	0.802	0.807	3.71	9.47	13.6	15.5	...	1943
1944	14.3	16.2	17.3	6.67	3.31	0.727	0.389	0.362	0.784	3.39	13.9	15.1	9.83	1944
1945	15.2	13.6	12.3	9.47	3.49	0.572	0.864	0.734	0.781	3.82	6.17	13.0	5.87	1945
1946	15.9	17.9	15.6	15.2	3.34	0.830	0.599	1.32	1.89	7.89	12.9	12.9	6.78	1946
1947	15.6	16.0	14.4	12.7	3.36	2.60	2.22	2.28	1.82	2.10	11.2	13.0	6.04	1947
1948	16.7	20.6	19.2	15.7	6.27	2.59	9.12	30.3	11.3	11.6	14.3	15.4	13.7	1948
1949	17.0	16.0	14.2	6.80	6.28	5.11	6.85	7.87	5.76	7.85	11.0	12.4	9.88	1949
1950	12.3	4.62	5.90	2.16	3.36	2.03	0.940	2.59	9.21	15.2	15.2	15.4	6.01	1950
1951	15.4	10.4	6.73	3.47	4.95	4.45	4.32	6.44	6.29	13.1	17.6	14.7	9.52	1951
1952	12.2	7.43	11.0	14.1	10.4	0.940	1.67	7.10	6.86	8.85	11.2	14.4	9.00	1952
1953	15.5	17.9	10.1	10.3	14.4	2.66	7.76	8.95	8.19	8.71	15.3	15.0	11.6	1953
1954	15.1	15.0	9.94	15.1	12.8	3.52	1.84	10.2	15.0	10.1	9.35	14.3	11.2	1954
1955	17.3	17.6	16.2	15.0	11.6	2.33	0.765	0.451	3.16	4.73	7.56	15.6	9.86	1955
1956	13.7	14.2	14.9	13.2	4.23	0.430	0.283	0.283	4.07	17.2	11.3	17.3	9.26	1956
1957	13.8	16.6	17.5	7.55	0.383	0.472	0.283	0.283	0.708	7.74	9.45	11.0	7.29	1957
1958	15.4	19.0	12.0	4.92	0.86	1.83	2.15	1.36	1.29	11.2	13.3	6.83	6.03	1958
1959	24.3	8.46	12.6	13.0	3.99	0.895	0.764	2.50	0.837	0.987	8.26	12.6	7.41	1959
1960	11.6	11.4	2.68	5.30	8.82	6.24	1.08	7.90	3.88	7.02	11.5	10.9	7.39	1960
1961	8.36	11.9	8.37	14.6	8.73	1.22	1.84	9.93	8.30	8.00	12.4	14.6	8.98	1961
1962	17.6	9.23	15.0	15.3	6.89	4.67	2.19	4.26	11.4	2.59	3.19	8.97	8.07	1962
1963	9.27	8.57	8.23	3.12	4.90	2.24	0.726	1.52	13.6	21.4	17.3	9.96	8.23	1963
1964	9.49	14.2	17.4	8.19	4.16	1.89	0.488	2.96	6.36	6.17	6.61	13.2	7.41	1964
1965	8.96	3.25	1.25	6.72	6.88	18.6	24.8	10.5	10.1	8.02	9.86	14.2	10.4	1965
1966	20.6	13.2	13.9	6.71	2.84	5.80	3.89	6.43	6.24	6.47	12.4	12.1	9.76	1966
1967	16.3	10.7	10.9	12.8	14.3	3.84	2.84	10.4	12.0	7.76	7.85	11.6	10.1	1967
1968	15.0	14.7	9.24	0.618	0.585	1.78	0.457	1.02	14.0	11.5	1.83	5.82	5.76	1968
1969	13.2	8.73	4.49	1.08	0.443	18.4	23.9	8.39	12.0	6.87	4.44	8.82	8.78	1969
1970	9.17	9.31	5.37	7.61	6.87	2.84	14.6	7.22	8.05	10.5	12.0	10.6	8.67	1970
1971	8.22	1.77	8.05	1.84	1.01	0.737	0.764	5.73	8.20	15.3	9.27	8.28	5.76	1971
1972	11.9	5.43	2.33	5.08	2.26	11.6	24.5	11.5	10.6	7.30	1.87	13.4	9.03	1972
1973	15.9	13.5	4.01	1.43	1.08	7.73	18.5	8.39	5.63	8.04	8.48	7.83	8.27	1973
1974	9.18	6.25	9.18	8.26	1.10	16.6	27.8	10.8	5.35	8.84	8.38	7.37	9.48	1974
1975	18.1	13.2	8.25	11.2	11.6	1.56	1.74	0.765	0.736	0.484	6.09	7.14	6.89	1975
1976	6.72	6.56	11.1	10.9	2.63	2.28	1.76	18.9	10.0	6.28	9.82	8.39	7.77	1976
1977	12.1	8.82	1.86	3.96	7.59	1.22	12.2	3.43	7.08	4.09	0.859	13.2	6.85	1977
1978	18.8	20.8	13.0	3.10	2.85	1.05	0.971	5.34	3.14	2.27	7.89	14.3	7.84	1978
1979	13.5	13.2	9.43	13.1	6.37	0.810	2.20	13.9	11.0	8.74	6.40	8.41	8.58	1979
1980	9.84	7.98	5.32	2.74	0.846	12.6	3.74	9.48	2.89	0.528	4.28	9.73	5.72	1980
1981	8.87	11.6	14.0	12.6	13.2	16.2	12.5	19.1	3.21	7.07	12.5	15.5	12.1	1981
1982	12.5	7.84	7.57	9.70	4.94	2.41	7.96	3.83	1.06	2.35	9.89	11.8	6.81	1982
1983	11.3	11.5	8.49	7.24	3.81	0.796	1.90	7.86	10.3	3.90	8.87	10.2	6.97	1983
1984	8.19	8.92	8.73	8.40	5.39	2.35	0.87	9.01	18.4	9.73	8.05	8.08	7.48	1984
1985	2.89	9.92	8.23	0.351	0.276	4.19	15.3	13.2	6.87	0.456	3.77	6.84	6.02	1985
1986	8.71	8.20	7.21	7.20	2.83	18.4	10.7	3.16	2.72	0.978	4.96	13.6	8.78	1986
MEAN	13.3	11.8	10.4	8.38	5.32	4.56	6.14	8.51	8.71	7.21	9.38	12.2	8.44	MEAN

LOCATION - LAT 51 11 57 N
LONG 115 30 08 W

REGULATED SINCE 1942

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

CASCADE POWER DIVERSION NEAR BANFF - STATION NO 05BD004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1942	---	---	---	---	1942
1943	---	21.2 ON JAN 29	0.255 ON MAY 29	---	1943
1944	---	19.8 ON FEB 22	0.170 ON APR 9	248 000	1944
1945	---	18.5 ON JAN 20	0.227 ON JUN 1	210 000	1945
1946	---	19.1 ON FEB 11	0.368 ON OCT 13	277 000	1946
1947	---	18.7 ON FEB 1	0.388 ON OCT 2	254 000	1947
1948	---	26.7 ON AUG 9	0.388 ON MAY 30	432 000	1948
1949	---	20.5 ON JAN 24	0.227 ON APR 10	312 000	1949
1950	---	20.2 ON NOV 16	0.227 ON FEB 11	253 000	1950
1951	---	20.3 ON OCT 25	0.085 ON APR 29	300 000	1951
1952	---	19.8 ON APR 21	0.283 ON FEB 24	285 000	1952
1953	---	19.8 ON JAN 13	0.425 ON APR 5	358 000	1953
1954	---	45.0 ON AUG 28 *	0.425 ON AUG 8	352 000	1954
1955	---	21.0 ON DEC 3	0.283 ON MAY 23	311 000	1955
1956	---	20.8 ON SEP 25	0.283 ON MAY 6	293 000	1956
1957	---	22.4 ON DEC 31	0.283 ON APR 18	230 000	1957
1958	---	30.3 ON NOV 16	0.142 ON JUL 5	253 000	1958
1959	---	34.3 ON JAN 6	0.283 ON MAY 29	234 000	1959
1960	---	24.5 ON DEC 20	0.425 ON JAN 24	234 000	1960
1961	---	30.8 ON DEC 18	0.425 ON JAN 1	283 000	1961
1962	---	28.6 ON MAR 21	0.283 ON JUL 15	286 000	1962
1963	---	34.0 ON OCT 16	0.283 ON DEC 25	259 000	1963
1964	---	34.8 ON DEC 31	0.283 ON JAN 5	234 000	1964
1965	---	40.2 ON JUL 8	0.425 ON JAN 17	328 000	1965
1966	---	33.4 ON JAN 19	0.283 ON JUN 14	308 000	1966
1967	---	30.6 ON MAY 1	0.283 ON MAY 23	318 000	1967
1968	---	37.1 ON SEP 11	0.142 ON NOV 28	213 000	1968
1969	---	36.5 ON JUL 12	0.425 ON JAN 1	277 000	1969
1970	---	34.8 ON JUL 21	0.425 ON JAN 24	287 000	1970
1971	---	37.4 ON SEP 17	0.283 ON MAY 6	180 000	1971
1972	---	37.4 ON JUL 10	0.425 ON JAN 15	285 000	1972
1973	---	35.1 ON JUL 1	0.823 ON FEB 4	281 000	1973
1974	---	37.1 ON JUN 25	0.851 ON JAN 1	298 000	1974
1975	---	32.6 ON JAN 11	0 ON OCT 22 *	211 000	1975
1976	---	36.2 ON AUG 6	0.736 ON JAN 31	245 000	1976
1977	42.2 AT 18 00 MST ON AUG 3	26.3 ON DEC 8	0 E ON OCT 19	210 000	1977
1978	43.5 AT 18 30 MST ON DEC 11 *	27.8 ON FEB 2	0 ON SEP 6	241 000	1978
1979	---	22.1 ON AUG 1	0.198 ON OCT 18	270 000	1979
1980	---	29.8 ON JUN 22	0.142 ON JAN 3	181 000	1980
1981	---	31.1 ON JUL 15	0.471 ON SEP 26	381 000	1981
1982	40.8 AT 10 30 MST ON MAY 6	22.2 ON JAN 21	0.297 ON JUN 3	214 000	1982
1983	---	23.0 ON AUG 25	0.057E ON OCT 19	220 000	1983
1984	---	23.4 ON SEP 12	0.003 ON OCT 5	237 000	1984
1985	---	25.5 ON JUN 28	0.0858 ON JAN 3	190 000	1985
1986	---	28.2 ON JUN 6	0.028 ON JUN 18	214 000	1986
				285 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CASCADE RIVER ABOVE LAKE MINNEWANKA - STATION NO 05BD005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	---	---	---	5.84	4.88	3.42	---	---	---	1973
1974	---	---	---	---	5.05	33.5	17.7	9.08	4.57	2.94	---	---	12.1	1974
1975	---	---	---	---	3.89	11.9	11.4	7.54	4.54	2.88	---	---	7.01	1975
1976	---	---	---	---	11.8	---	---	12.8	7.73	3.76	---	---	---	1976
1977	---	---	---	---	7.29	14.9	7.62	7.41	4.88	3.21	---	---	7.53	1977
1978	---	---	---	---	5.99	22.2	14.3	7.09	6.03	4.01	---	---	9.90	1978
1979	---	---	---	---	5.78	16.0	10.6	5.62	3.83	2.84	---	---	7.58	1979
1980	---	---	---	---	13.2	21.2	8.21	5.64	5.09	3.64	---	---	9.45	1980
1981	---	---	---	---	16.1	18.9	21.1	11.5	5.53	3.39	---	---	12.8	1981
1982	---	---	---	---	5.50	23.2	12.0	5.41	4.43	3.28	---	---	8.92	1982
1983	---	---	---	---	7.58	12.8	12.5	5.40	3.53	2.47	---	---	7.37	1983
1984	---	---	---	---	3.80	15.0	8.73	5.93	4.51	3.06	---	---	6.77	1984
1985	---	---	---	---	7.84	10.9	8.85	6.02	6.13	3.52	---	---	8.88	1985
1986	---	---	---	---	15.2	26.2	14.2	8.17	7.8	4.32	---	---	12.1	1986
MEAN	---	---	---	---	8.45	18.9	12.1	7.46	5.03	3.34	---	---	8.03	MEAN

LOCATION - LAT 51 17 15 0 LONG 115 32 00 W
DRAINAGE AREA, 454 km^2
NATURAL FLOW

CASCADE RIVER ABOVE LAKE MINNEWANKA - STATION NO. 05BD005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	---	---	---	1973
1974	105 AT 24:00 MST ON JUN 16 *	77.0 ON JUN 17 *	2.51A ON OCT 31	192 000	1974
1975	19.8 AT 00:30 MST ON JUL 5	17.4 ON JUN 25	1.70E ON MAY 1	112 000	1975
1976	34.0 ON JUL 1	---	---	---	1976
1977	39.9 AT 23:00 MST ON JUN 7	34.5 ON JUN 8	2.56 ON OCT 31	120 000	1977
1978	51.3 AT 21:30 MST ON JUN 5	38.4 ON JUN 6	2.92 ON OCT 30	157 000	1978
1979	38.1 AT 23:00 MST ON MAY 28	28.0 ON MAY 27	2.31 ON OCT 31	121 000	1979
1980	39.2 AT 00:50 MST ON JUN 17	33.0 ON JUN 17	2.90 ON OCT 23	150 000	1980
1981	71.4 AT 03:10 MST ON MAY 26	61.6 ON MAY 26	2.70E ON OCT 27	203 000	1981
1982	42.4 AT 00:00 MST ON JUN 15	36.4 ON JUN 15	1.80E ON MAY 1	142 000	1982
1983	38.5 AT 23:00 MST ON MAY 29	27.2 ON MAY 29	2.02 ON OCT 30	117 000	1983
1984	43.4 AT 20:15 MST ON JUN 29	34.3 ON JUN 29	1.54B ON OCT 31 *	108 000	1984
1985	24.6 AT 03:40 MST ON MAY 25	21.5 ON MAY 25	1.99 ON MAY 1	109 000	1985
1986	99.2 AT 22:00 MST ON MAY 28	74.4 ON MAY 28	2.45E ON MAY 1	192 000	1986
				144 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CASCADE RIVER NEAR BANFF - STATION NO. 05BD002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	---	---	---	11.6	6.39	---	---	---	1911
1912	---	2.41	---	1.89	8.54	---	9.58	22.4	8.19	7.87	8.22	8.89	---	1912
1913	4.88	3.88	5.22	9.89	7.33	24.9	11.8	18.5	9.81	6.86	10.7	15.0	10.7	1913
1914	6.15	2.80	2.78	2.56	3.47	25.2	17.7	4.87	2.10	5.82	6.36	4.47	7.02	1914
1915	4.51	7.54	10.7	8.12	1.82	23.8	40.8	21.6	8.86	5.71	6.74	4.71	11.8	1915
1916	7.72	9.83	11.0	6.80	1.81	12.0	21.1	17.1	12.1	7.03	13.8	16.4	11.4	1916
1917	6.83	7.04	4.00	3.15	3.00	27.2	22.3	9.73	7.47	5.88	4.80	11.5	9.42	1917
1918	12.1	8.70	3.26	5.00	2.84	14.3	14.4	9.78	6.74	4.78	5.08	11.7	8.07	1918
1919	11.8	6.85	3.46	3.73	2.27	7.32	10.8	15.3	8.82	5.70	8.25	7.46	7.49	1919
1920	7.25	5.98	3.85	2.88	2.39	2.77	41.5	10.2	4.80	4.49	5.85	5.48	8.35	1920
1921	8.26	5.28	4.84	4.73	2.88	21.0	15.7	8.38	4.93	2.99	3.88	6.05	7.48	1921
1922	4.73	5.09	5.14	4.67	4.84	19.4	13.3	10.4	6.01	2.69	5.82	8.76	7.41	1922
1923	6.88	5.14	4.05	3.95	4.00	32.3	18.6	12.5	5.02	4.47	2.57	5.95	8.88	1923
1924	7.48	7.75	8.27	7.82	5.00	13.5	23.3	17.1	8.21	4.58	4.08	6.22	9.28	1924
1925	8.48	8.85	8.77	7.38	5.04	17.0	11.8	13.4	8.78	6.88	5.10	4.08	8.36	1925
1926	7.48	8.74	8.32	5.48	1.93	1.43	8.24	8.15	13.2	6.38	8.53	6.07	6.68	1926
1927	8.18	8.28	8.03	5.80	3.31	17.7	19.4	14.0	11.8	6.95	8.17	6.49	9.50	1927
1928	9.23	9.38	8.10	5.85	3.70	30.8	28.5	9.28	8.48	3.74	3.89	4.85	10.3	1928
1929	6.71	7.38	7.49	4.82	3.51	10.5	9.89	6.03	3.85	7.72	13.8	10.3	7.83	1929
1930	4.32	1.58	1.82	2.34	2.24	20.6	19.6	9.27	6.25	2.78	4.44	9.95	7.13	1930
1931	12.1	7.84	3.34	2.20	1.36	5.40	14.3	6.54	5.51	2.20	4.35	7.14	6.01	1931
1932	8.70	8.91	6.87	3.89	2.67	37.6	12.2	9.85	6.18	3.54	3.45	4.88	8.81	1932
1933	3.08	5.30	8.89	10.6	5.58	19.0	17.5	8.89	7.22	4.38	2.82	3.05	7.88	1933
1934	3.06	2.77	5.44	12.4	16.6	10.2	9.70	5.95	4.77	4.33	3.10	2.44	8.75	1934
1935	7.05	2.27	7.80	10.6	2.82	12.1	20.1	11.2	5.89	3.14	4.38	10.4	8.19	1935
1936	4.81	7.02	4.75	1.58	1.36	5.72	9.44	4.89	4.19	3.37	2.05	3.91	4.41	1936
1937	10.3	11.8	2.46	1.84	2.87	5.89	10.2	5.73	4.61	4.89	2.55	5.38	5.72	1937
1938	5.80	7.12	4.30	2.77	3.86	28.3	14.3	8.78	7.14	4.11	4.98	8.76	8.15	1938
1939	4.69	6.06	5.01	2.04	1.73	2.82	14.7	8.40	8.34	2.97	3.88	3.18	4.89	1939
1940	10.6	8.90	5.84	5.58	3.52	5.59	10.3	8.27	6.89	6.44	3.72	2.24	6.04	1940
1941	1.72	1.74	1.68	1.35	0.025	0.059	0.135	0.128	0.111	---	---	---	---	1941
MEAN	6.89	6.18	5.55	5.00	3.74	15.8	15.4	10.2	6.87	4.85	5.59	7.23	7.98	MEAN

LOCATION - LAT 51 13 40 N
LONG 115 31 00 W
DRAINAGE AREA, 884 km^2
NATURAL FLOW

CASCADE RIVER NEAR BANFF - STATION NO 05BD002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	---	---	1911
1912	---	48.1 ON AUG 18	0 ON JUN 1 *	---	1912
1913	---	35.1 ON JUN 11	0.085 ON MAY 27	338 000	1913
1914	---	39.8 ON JUN 8	0.074 ON MAY 1	232 000	1914
1915	---	73.9 ON JUN 28 *	0.156 ON MAY 23	372 000	1915
1916	---	28.5 ON JUN 21	1.36 ON MAY 10	360 000	1916
1917	---	80.9 ON JUN 10	2.85 ON MAY 11	297 000	1917
1918	---	31.4 ON JUN 16	2.52 ON MAY 8	255 000	1918
1919	---	44.2 ON AUG 5	1.78 ON MAY 3	236 000	1919
1920	---	59.7 ON JUL 16	2.32 ON APR 30	284 000	1920
1921	---	38.5 ON JUN 27	2.38 ON MAY 1	236 000	1921
1922	---	29.2 ON JUN 5	2.52 ON OCT 9	234 000	1922
1923	---	89.4 ON JUN 14	0.453 ON NOV 13	280 000	1923
1924	---	48.7 ON JUL 2	0.906 ON FEB 10	264 000	1924
1925	---	35.4 ON JUN 21	4.05 E ON DEC 3	284 000	1925
1926	---	24.3 ON SEP 2	0.527 ON JUN 6	211 000	1926
1927	---	42.5 ON JUN 25	3.31 ON MAY 1	299 000	1927
1928	---	62.3 ON JUN 25	3.51 ON APR 27	326 000	1928
1929	---	18.9 ON JUN 15	1.38 ON SEP 29	241 000	1929
1930	---	38.2 ON JUN 29	1.29 B ON MAR 12	225 000	1930
1931	---	21.8 ON JUL 7	1.21 ON MAY 20	190 000	1931
1932	---	44.5 ON JUN 12	1.06 ON FEB 28	278 000	1932
1933	---	45.3 ON JUN 17	1.61 B ON DEC 6	248 000	1933
1934	---	25.1 ON MAY 4	1.98 E ON DEC 21	213 000	1934
1935	---	26.6 ON JUN 19	1.76 ON FEB 3	258 000	1935
1936	---	13.1 ON JUL 1	1.19 ON MAY 31	140 000	1936
1937	---	17.6 E ON JUL 19	1.27 ON APR 18	181 000	1937
1938	39.4 AT 20 00 MST ON JUN 24 *	38.5 ON JUN 22	1.81 ON MAY 15	257 000	1938
1939	35.7 AT 12 00 MST ON JUL 1	32.8 ON JUL 2	1.25 ON APR 23	184 000	1939
1940	---	11.7 E ON JAN 28	1.50 ON DEC 25	191 000	1940
1941	---	2.10 ON JAN 1	0.025E ON APR 28	---	1941
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		252 000	MEAN

CASTLE RIVER AT MCDONALD'S RANCH - STATION NO 05AA015

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1918	---	---	---	---	31.3	88.9	38.3	10.2	7.93	4.11	5.43	---	---	1918
1944	---	---	---	---	---	17.1	7.76	4.48	3.88	3.39	2.81	1.94	---	1944
1945	1.48	---	---	---	---	---	---	---	---	---	---	---	---	1945
MEAN	1.48	---	---	---	31.3	43.0	23.0	7.34	5.91	3.75	4.12	1.94	---	MEAN

LOCATION - LAT 49 30 00 N
LONG 114 18 20 W

DRAINAGE AREA, 787 km^2
NATURAL FLOW

CASTLE RIVER AT MCDONALD'S RANCH - STATION NO 05AA015

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1918	---	108 ON JUN 21 *	---	---	1918
1944	---	41.9 ON MAY 30	---	---	1944
1945	---	1.848 ON JAN 1	1.308 ON JAN 29 *	---	1945
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

CASTLE RIVER AT RANGER STATION - STATION NO 05AA023

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	1.65	3.92	32.5	55.3	19.9	4.34	2.25	2.02	---	---	15.2	1967
1968	---	---	2.90	3.39	26.3	35.3	12.3	4.45	5.42	5.14	---	---	12.4	1968
1969	---	---	1.77	12.0	30.0	34.7	13.6	3.92	3.12	2.36	---	---	12.6	1969
1970	---	---	0.757	1.79	32.3	50.2	8.73	2.83	2.58	2.49	---	---	12.6	1970
1971	---	---	1.88	6.06	38.8	35.7	13.8	4.31	2.70	2.78	---	---	13.2	1971
1972	---	---	3.51	8.20	41.9	54.0	20.4	7.53	4.15	4.51	---	---	17.7	1972
1973	---	---	1.30	2.84	21.8	21.4	8.45	2.45	1.97	1.83	---	---	7.47	1973
1974	---	---	2.10	7.97	27.9	50.3	19.3	5.76	2.99	2.18	---	---	15.0	1974
1975	---	---	1.07	1.19	23.9	76.1	35.3	5.93	3.81	3.44	---	---	17.2	1975
1976	---	---	1.74	7.84	35.5	33.6	14.9	5.78	4.05	3.24	---	---	12.5	1976
1977	---	---	1.02	4.44	12.9	8.72	2.95	2.10	2.51	1.80	---	---	4.55	1977
1978	---	---	1.01	4.28	26.6	33.0	12.8	4.58	4.87	3.47	---	---	11.4	1978
1979	---	---	1.38	2.28	25.1	34.4	8.91	2.91	1.99	1.41	---	---	8.26	1979
1980	---	---	1.03	10.7	35.4	24.2	8.88	3.26	3.75	2.95	---	---	10.9	1980
1981	---	---	2.42	7.98	41.2	32.0	13.8	4.66	2.68	1.81	---	---	13.3	1981
1982	---	---	1.24	1.53	21.6	42.1	14.7	4.33	2.35	2.55	---	---	11.3	1982
1983	---	---	1.50	5.13	23.9	22.8	11.3	4.31	2.28	1.67	---	---	9.11	1983
1984	---	---	1.54	5.35	17.0	25.6	7.85	3.01	2.28	3.17	---	---	8.21	1984
1985	---	---	0.856	7.07	29.4	18.8	5.45	3.75	7.71	8.71	---	---	10.2	1985
1986	---	---	5.65	11.7	27.2	25.7	9.72	2.65	2.22	4.85	---	---	10.8	1986
MEAN	---	---	1.67	5.67	28.6	35.1	12.1	4.33	3.32	3.26	---	---	11.8	MEAN

LOCATION - LAT 49 23 55 N
LONG 114 20 20 W

DRAINAGE AREA, 376 km²
NATURAL FLOW

CASTLE RIVER AT RANGER STATION - STATION NO 05AA023

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	94.3 AT 01:00 MST ON MAY 23	88.3 ON MAY 22	1.30 ON MAR 27	321 000	1967
1968	59.2 AT 03:20 MST ON MAY 23	55.2 ON MAY 23	1.88 ON MAR 1	282 000	1968
1969	82.9 AT 20:31 MST ON JUN 25	56.0 ON JUN 27	0.8508 ON MAR 7	287 000	1969
1970	130 AT 17:30 MST ON JUN 13	103 ON JUN 14	0.4388 ON MAR 10 *	368 000	1970
1971	86.4 AT 02:00 MST ON MAY 28	78.2 ON MAY 26	1.35 ON APR 3	280 000	1971
1972	116 AT 10:00 MST ON JUN 1	109 ON JUN 1	0.4538 ON MAR 1	375 000	1972
1973	56.9 AT 05:10 MST ON MAY 18	54.9 ON MAY 18	1.18 B ON MAR 18	158 000	1973
1974	97.7 AT 06:40 MST ON JUN 18	94.8 ON JUN 19	1.53 B ON MAR 1	338 000	1974
1975	402 AT 00:20 MST ON JUN 20 *	287 ON JUN 20 *	0.8478 ON APR 17	365 000	1975
1976	75.6 AT 09:30 MST ON MAY 11	70.5 ON MAY 11	1.42 B ON MAR 18	284 000	1976
1977	20.8 AT 14:20 MST ON MAY 11	19.9 ON MAY 11	0.8758 ON MAR 13	96 300	1977
1978	61.2 AT 10:15 MST ON JUN 6	58.6 ON JUN 6	0.8298 ON MAR 4	242 000	1978
1979	85.8 AT 08:10 MST ON MAY 27	82.3 ON MAY 27	1.02 B ON MAR 1	175 000	1979
1980	102 AT 13:20 MST ON MAY 26	86.7 ON MAY 26	0.873 ON MAR 20	230 000	1980
1981	102 AT 00:35 MST ON MAY 23	91.7 ON MAY 22	1.55 ON OCT 22	281 000	1981
1982	58.7 AT 23:35 MST ON JUN 14	54.0 ON JUN 14	0.887 ON APR 10	238 000	1982
1983	80.6 AT 04:28 MST ON MAY 27	57.6 ON MAY 26	1.19 ON MAR 8	193 000	1983
1984	52.9 AT 07:51 MST ON MAY 31	45.9 ON MAY 31	1.37 ON APR 2	174 000	1984
1985	47.8 AT 07:34 MST ON MAY 25	47.4 ON MAY 25	0.7008 ON MAR 3	219 000	1985
1986	73.2 AT 07:40 MST ON MAY 29	70.7 ON MAY 29	1.85 ON SEP 3	238 000	1986
				349 000	MEAN

B - ICE CONDITIONS

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CASTLE RIVER NEAR BEAVER MINES - STATION NO 05AA022

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1945	---	1.80	1.49	2.87	50.5	75.0	18.1	4.53	4.17	4.89	5.56	3.11	---	1945
1946	3.19	2.29	3.08	20.7	55.9	47.8	16.8	5.48	5.40	7.49	5.73	3.72	14.9	1946
1947	2.83	2.25	5.00	28.3	74.5	46.2	15.0	6.42	9.86	27.6	12.5	5.03	19.9	1947
1948	3.51	3.12	2.63	13.9	93.2	117	19.4	11.1	4.59	3.73	3.24	2.70	23.1	1948
1949	1.43	1.48	1.75	12.7	50.2	30.6	8.81	3.97	3.76	4.29	6.94	---	---	1949
1950	---	---	---	---	59.6	84.9	32.3	6.88	3.38	6.81	9.10	6.58	---	1950
1951	4.45	4.63	3.81	23.3	93.2	89.8	46.5	13.8	25.5	24.4	9.08	6.03	27.2	1951
1952	4.13	5.07	3.34	31.2	45.2	27.4	12.2	6.75	4.00	2.74	2.07	1.70	12.1	1952
1953	1.73	2.77	2.59	12.1	84.2	112	30.7	7.43	4.16	3.00	4.28	3.26	20.7	1953
1954	2.33	1.77	1.83	7.22	79.9	74.7	45.3	10.3	8.98	10.9	7.50	5.37	21.4	1954
1955	2.84	2.36	3.64	6.48	63.4	78.2	27.0	6.43	3.21	8.59	7.09	3.07	16.1	1955
1956	2.16	2.54	2.86	14.5	89.2	58.5	20.9	6.41	3.88	4.92	3.86	3.00	16.1	1956
1957	2.70	3.62	1.89	8.26	77.0	40.4	9.24	3.97	3.00	4.72	6.04	3.78	13.8	1957
1958	3.21	2.42	2.80	9.63	82.5	43.9	15.2	5.23	3.36	3.48	3.40	3.79	15.0	1958
1959	4.53	3.73	2.39	16.4	81.3	83.9	26.0	7.21	11.2	15.1	11.2	8.92	20.9	1959
1960	5.98	5.81	7.86	21.1	43.8	55.8	16.3	6.08	3.38	2.44	2.28	2.20	14.4	1960
1961	2.15	2.07	2.78	8.87	72.4	88.4	11.9	4.48	3.85	8.88	5.45	2.97	16.3	1961
1962	2.32	3.62	2.85	25.5	41.1	44.3	12.5	4.70	3.72	3.31	4.18	3.89	12.6	1962
1963	2.29	3.94	3.25	8.32	36.8	49.5	26.2	5.33	3.38	3.08	3.19	2.45	12.4	1963
1964	3.06	2.13	2.13	5.34	82.9	113	24.6	6.22	4.70	5.85	3.79	2.31	19.6	1964
1965	2.04	1.82	1.55	12.6	54.3	84.1	27.6	7.90	8.28	8.21	4.88	4.97	18.2	1965
1966	2.70	2.56	3.16	17.9	57.4	54.6	18.6	7.38	4.86	4.34	5.38	3.38	15.3	1966
1967	2.80	2.35	1.96	5.23	78.7	102	30.0	6.08	3.52	3.85	5.13	3.19	20.3	1967
1968	3.37	3.53	5.27	6.89	53.7	80.0	19.2	7.56	10.7	13.3	7.09	5.81	16.4	1968
1969	3.44	2.99	3.06	29.0	53.5	62.2	23.1	5.35	3.26	3.72	3.21	2.43	16.3	1969
1970	1.84	1.71	2.11	3.07	59.6	74.4	14.2	4.48	3.54	3.45	2.23	2.13	14.4	1970
1971	1.88	2.86	2.33	11.7	72.1	59.5	20.4	6.94	3.83	4.10	3.90	2.78	16.0	1971
1972	1.50	0.904	9.40	14.4	83.2	90.6	31.0	11.7	6.57	7.33	5.75	3.40	22.2	1972
1973	2.39	2.08	2.32	7.67	40.1	36.6	10.4	3.93	2.82	3.04	4.30	3.45	8.97	1973
1974	4.55	4.14	3.53	18.9	83.1	107	33.4	9.16	4.85	3.29	2.92	2.87	21.5	1974
1975	1.95	1.86	1.38	3.15	56.8	126	38.9	9.17	6.12	6.40	8.03	13.6	23.0	1975
1976	4.08	3.02	3.83	17.3	84.0	39.2	23.2	10.3	6.43	3.71	3.00	2.19	15.8	1976
1977	1.59	1.84	1.76	8.26	20.5	12.9	4.18	3.31	4.10	3.13	2.50	1.93	5.51	1977
1978	1.75	1.42	2.88	9.79	52.8	53.8	24.7	7.22	6.85	5.26	3.50	2.77	14.4	1978
1979	2.02	1.85	3.15	7.42	52.4	60.8	10.8	4.39	2.85	2.31	1.32	1.98	11.0	1979
1980	1.88	2.01	1.88	23.5	57.9	35.5	8.38	4.82	6.10	4.86	5.53	11.0	13.8	1980
1981	7.24	4.83	4.53	17.0	75.3	50.8	21.2	6.74	3.48	2.79	2.38	2.57	16.8	1981
1982	1.85	2.06	1.84	3.83	44.9	89.1	22.1	5.80	3.74	4.36	3.45	2.55	13.8	1982
1983	2.34	2.45	3.46	12.0	43.7	36.2	19.5	6.28	3.48	2.70	4.28	2.81	11.8	1983
1984	4.17	3.23	2.81	10.1	29.7	42.5	11.9	4.34	3.41	4.41	3.28	2.12	10.1	1984
1985	1.80	1.41	1.78	14.1	49.4	30.5	8.23	5.16	13.6	18.5	13.9	5.55	13.7	1985
1986	4.09	7.41	15.4	23.2	48.7	38.7	8.42	3.85	4.27	8.80	8.17	5.35	14.7	1986
MEAN	2.89	2.81	3.33	13.5	68.7	62.6	20.8	6.73	5.57	6.84	5.27	3.93	16.2	MEAN

LOCATION - LAT 49 29 20 N LONG 114 08 40 W

DRAINAGE AREA 826 km²
NATURAL FLOW

CASTLE RIVER NEAR BEAVER MINES - STATION NO 05AA022

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1945	145 AT 19 00 MST ON JUN 6	142 ON JUN 6	---	---	1945
1946	---	96.8 ON MAY 29	1.78 ON MAR 9	489 000	1946
1947	---	143 ON MAY 10	1.95 B ON FEB 8	827 000	1947
1948	442 AT 14 00 MST ON MAY 22	382 ON MAY 23	2.01 B ON DEC 31	732 000	1948
1949	73.9 AT 16 30 MST ON MAY 13	71.9 ON MAY 13	---	---	1949
1950	128 AT 03 00 MST ON JUN 16	122 ON JUN 16	---	---	1950
1951	145 AT 16 00 MST ON MAY 14	136 ON MAY 14	2.44 B ON MAR 3	857 000	1951
1952	92.3 AT 22 30 MST ON APR 27	89.5 ON APR 28	1.16 B ON NOV 25	384 000	1952
1953	283 AT 20 00 MST ON JUN 8	257 ON JUN 8	1.02 B ON JAN 19	851 000	1953
1954	215 AT 22 00 MST ON MAY 19	187 ON MAY 20	1.19 B ON JAN 20	876 000	1954
1955	124 AT 23 59 MST ON MAY 19	114 ON JUN 14	1.13 B ON FEB 7	506 000	1955
1956	183 AT 03 00 MST ON MAY 21	174 ON MAY 21	1.13 B ON MAR 12	508 000	1956
1957	115 AT 05 00 MST ON MAY 21	106 ON MAY 21	1.19 B ON MAR 9	435 000	1957
1958	144 AT 21 00 MST ON MAY 12	125 ON MAY 12	1.44 B ON FEB 21	474 000	1958
1959	138 AT 23 00 MST ON JUN 5	136 ON JUN 5	1.84 B ON MAR 5	857 000	1959
1960	119 AT 05 00 MST ON MAY 13	111 ON MAY 13	1.84 ON NOV 9	456 000	1960
1961	176 AT 06 00 MST ON MAY 27	170 ON MAY 27	1.78 B ON JAN 11	515 000	1961
1962	67.4 AT 08 00 MST ON APR 25	65.7 ON APR 25	1.14 B ON DEC 26	389 000	1962
1963	89.2 AT 07 00 MST ON JUN 30	87.2 ON JUN 30	1.20 B ON JAN 19	382 000	1963
1964	510 AT 21 00 MST ON JUN 8	360 ON JUN 8	1.54 B ON JAN 20	820 000	1964
1965	294 AT 18 00 MST ON JUN 17	219 ON JUN 18	1.13 B ON FEB 11	573 000	1965
1966	111 AT 21 30 MST ON MAY 10	100 ON MAY 29	1.13 B ON MAR 9	481 000	1966
1967	227 AT 22 00 MST ON MAY 22	208 ON MAY 22	1.55 B ON MAR 7	641 000	1967
1968	157 AT 01 00 MST ON MAY 23	142 ON MAY 23	3.23 B ON JAN 1	518 000	1968
1969	159 AT 08 23 MST ON JUN 26	144 ON JUN 26	2.07 B ON DEC 31	513 000	1969
1970	210 AT 21 00 MST ON JUN 13	170 ON JUN 14	1.31 B ON DEC 6	458 000	1970
1971	125 AT 06 00 MST ON MAY 28	120 ON MAY 28	1.22 B ON DEC 23	504 000	1971
1972	213 A ON JUN 1	201 A ON JUN 1	0.8078 ON FEB 8	702 000	1972
1973	86.6 AT 03 30 MST ON MAY 18	84.0 ON MAY 18	1.61 B ON FEB 13	314 000	1973
1974	171 AT 04 20 MST ON JUN 17	167 ON JUN 17	1.80 B ON DEC 23	678 000	1974
1975	736 AT 02 00 MST ON JUN 20 *	535 ON JUN 20 *	0.8418 ON FEB 13	726 000	1975
1976	124 AT 10 30 MST ON MAY 11	119 ON MAY 11	1.53 B ON DEC 27	500 000	1976
1977	35.1 AT 18 00 MST ON MAY 11	33.4 ON MAY 11	1.20 B ON JAN 10	174 000	1977
1978	89.1 AT 12 20 MST ON JUN 6	58.3 ON JUN 6	1.01 B ON MAR 2	455 000	1978
1979	113 AT 04 35 MST ON MAY 27	107 ON MAY 25	0.5038 ON NOV 25 *	346 000	1979
1980	131 AT 17 30 MST ON MAY 26	112 ON MAY 26	1.31 B ON JAN 26	430 000	1980
1981	---	150 E ON MAY 22	1.50 B ON DEC 28	524 000	1981
1982	101 AT 11 20 MST ON MAY 26	97.7 ON MAY 26	1.38 B ON JAN 9	436 000	1982
1983	96.2 AT 02 58 MST ON MAY 27	92.6 ON MAY 26	2.08 B ON FEB 10	387 000	1983
1984	81.8 AT 09 10 MST ON MAY 31	77.8 ON MAY 31	1.27 B ON DEC 29	320 000	1984
1985	83.7 AT 10 05 MST ON MAY 25	81.8 ON MAY 25	1.28 B ON MAR 3	432 000	1985
1986	116 AT 02 10 MST ON MAY 29	111 ON MAY 29	2.81 ON AUG 29	483 000	1986
				511 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CASTLE RIVER NEAR COWLEY - STATION NO 05AA003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	---	7.78	5.77	---	---	---	1909
1910	---	---	---	31.5	54.1	40.2	14.1	5.79	10.5	20.5	---	---	---	1910
1911	2.45	3.33	6.41	21.1	84.4	104	26.5	21.5	54.1	16.0	24.6	6.29	29.3	1911
1912	3.03	2.32	2.84	19.3	52.3	40.6	32.7	12.6	8.21	8.83	9.04	3.75	16.3	1912
1913	3.37	2.79	2.48	17.4	55.3	76.7	22.3	12.0	7.50	11.2	9.78	3.90	18.8	1913
1914	4.00	4.88	4.09	25.7	50.5	43.7	16.9	9.96	8.78	26.5	17.1	8.41	18.4	1914
1915	6.25	3.85	4.06	20.4	86.7	80.9	27.7	15.9	11.9	15.0	9.50	5.56	20.7	1915
1916	3.53	9.06	9.28	21.5	43.9	114	52.2	14.4	9.86	5.83	4.41	3.16	24.2	1916
1917	2.56	2.21	2.61	4.48	60.7	98.3	33.6	8.71	5.08	4.21	3.37	3.18	18.9	1917
1918	4.81	2.50	4.97	15.3	48.7	70.5	14.7	8.87	6.22	6.07	3.80	3.19	15.7	1918
1919	3.34	2.10	2.28	13.0	48.9	37.6	10.8	4.55	2.87	3.82	3.52	2.89	11.4	1919
1920	2.40	2.48	2.81	6.11	48.1	81.4	37.7	9.25	5.92	5.58	4.62	3.37	17.6	1920
1921	3.53	3.59	4.78	16.7	61.2	74.2	21.5	8.57	4.36	4.70	3.11	3.08	17.3	1921
1922	2.47	2.02	1.86	6.27	85.8	79.5	19.1	8.38	3.85	4.05	4.09	2.76	16.5	1922
1923	2.43	2.02	2.28	9.69	86.3	187	24.6	10.1	5.85	4.23	4.12	3.12	26.4	1923
1924	2.32	3.07	2.73	8.12	55.3	83.5	19.0	17.0	7.26	6.17	5.83	5.34	18.3	1924
1925	4.17	2.98	3.90	26.7	89.5	53.9	16.5	6.82	6.43	9.31	7.20	5.57	17.8	1925
1926	4.55	3.24	3.23	17.3	21.8	18.8	9.79	4.93	17.5	27.1	11.2	6.02	12.2	1926
1927	3.42	2.70	3.09	17.1	65.0	139	57.8	17.6	30.5	25.1	12.2	7.48	31.8	1927
1928	7.81	5.84	8.21	16.8	86.4	72.1	42.9	10.1	7.87	15.9	7.44	5.10	24.8	1928
1929	2.80	2.12	4.96	5.76	58.0	70.9	16.1	5.52	4.32	4.74	3.03	2.97	15.1	1929
1930	2.21	3.15	3.30	27.8	61.4	53.8	15.2	5.38	3.81	3.88	2.89	2.18	15.4	1930
1931	1.75	2.50	2.11	3.80	---	---	---	---	---	---	---	---	---	1931
MEAN	3.48	3.28	3.89	16.0	58.8	75.3	25.3	9.99	10.5	10.7	7.54	4.35	19.3	MEAN

LOCATION - LAT 49 32 00 N, LONG 114 02 00 W
DRAINAGE AREA, 1 120 km^2
NATURAL FLOW

CASTLE RIVER NEAR COWLEY - STATION NO 05AA003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	78.0 ON MAY 26	---	---	1910
1911	---	174 ON SEP 4	1.95 B ON JAN 3	821 000	1911
1912	---	77.3 ON MAY 19	2.01 B ON FEB 29	515 000	1912
1913	---	162 ON MAY 29	2.15 B ON FEB 27	592 000	1913
1914	---	83.0 ON JUN 4	2.32 B ON JAN 28	580 000	1914
1915	---	123 ON MAY 1	3.00 B ON MAR 14	854 000	1915
1916	---	200 ON JUN 19	2.75 B ON DEC 28	765 000	1916
1917	---	155 ON JUN 9	1.70 B ON FEB 27	598 000	1917
1918	---	136 ON JUN 11	1.81 B ON FEB 22	495 000	1918
1919	---	98.6 ON MAY 28	1.42 B ON FEB 3	360 000	1919
1920	---	127 ON JUN 15	0.9838 ON JAN 21 *	555 000	1920
1921	---	135 ON MAY 26	1.93 B ON FEB 6	545 000	1921
1922	---	188 ON JUN 5	1.50 B ON MAR 13	521 000	1922
1923	---	1 120 ON JUN 1 *	1.64 B ON JAN 30	895 000	1923
1924	---	112 ON JUN 7	2.10 B ON JAN 1	516 000	1924
1925	---	138 ON MAY 20	2.80 B ON FEB 28	582 000	1925
1926	---	43.6 ON OCT 18	1.98 B ON APR 5	386 000	1926
1927	---	239 ON JUN 11	2.52 B ON FEB 17	1 000 000	1927
1928	---	137 ON MAY 22	3.91 B ON DEC 31	785 000	1928
1929	---	183 ON JUN 3	1.42 B ON NOV 22	477 000	1929
1930	---	102 ON MAY 21	1.67 B ON DEC 19	486 000	1930
1931	---	---	---	---	1931
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		611 000	MEAN

CATARACT CREEK NEAR FORESTRY ROAD - STATION NO 05BL022

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	8.02	3.55	1.08	0.520	0.459	---	---	---	1966
1967	---	---	---	0.221	5.32	15.1	4.17	1.05	0.490	0.414	---	---	---	1967
1968	---	---	0.330	0.339	2.72	6.77	2.59	1.22	1.14	1.41	---	---	---	1968
1969	---	---	0.235	1.09	6.46	11.0	5.53	0.924	0.493	0.506	---	---	---	1969
1970	---	---	---	0.224	4.19	10.6	2.74	0.709	0.551	0.433	---	---	---	1970
1971	---	---	---	0.523	7.18	9.86	2.65	0.882	0.534	0.581	0.343	0.275	---	1971
1972	0.188	0.138	0.210	0.332	7.55	17.0	4.36	2.68	1.65	1.05	0.585	0.370	3.00	1972
1973	0.259	0.274	0.272	0.341	4.87	7.95	2.27	0.850	0.757	0.440	0.300	0.262	1.59	1973
1974	0.178	0.216	0.224	0.446	4.34	19.2	3.86	1.36	0.802	0.578	0.434	0.293	2.67	1974
1975	0.203	0.203	0.195	0.259	3.33	14.3	5.15	1.72	0.989	0.760	0.649	0.402	2.34	1975
1976	0.321	0.267	0.218	0.909	7.69	5.67	2.61	5.48	1.50	0.898	0.531	0.317	2.20	1976
1977	0.235	0.257	0.215	0.884	2.55	3.01	0.973	1.07	1.12	0.840	0.537	0.364	0.990	1977
1978	0.278	0.260	0.345	0.536	4.24	9.79	4.88	1.52	0.983	0.886	0.638	0.343	2.05	1978
1979	0.230	0.239	0.250	0.295	4.56	8.24	1.70	1.31	1.03	0.681	0.286	0.285	1.41	1979
1980	0.204	0.157	0.160	1.38	7.06	7.48	1.57	1.17	1.15	0.922	0.682	0.513	1.87	1980
1981	0.368	0.246	0.319	0.879	9.81	11.1	5.81	2.08	0.783	0.857	0.358	0.190	2.70	1981
1982	0.107	0.144	0.186	0.322	2.56	7.78	2.28	0.760	0.678	0.652	0.331	0.174	1.33	1982
1983	0.187	0.213	0.232	0.515	3.74	4.33	1.77	0.895	0.403	0.398	0.356	0.148	1.09	1983
1984	0.186	0.121	0.193	0.473	2.24	5.65	1.48	0.577	0.408	0.487	0.329	0.212	1.02	1984
1985	0.121	0.110	0.137	0.682	5.30	4.55	1.08	0.945	2.85	1.79	0.990	0.504	1.59	1985
1986	0.376	0.314	0.442	0.878	7.98	7.03	1.70	0.833	0.834	1.29	0.733	0.450	1.91	1986
MEAN	0.231	0.211	0.242	0.570	5.18	9.20	2.97	1.38	0.938	0.782	0.497	0.317	1.85	MEAN

LOCATION - LAT 50 17 04 N LONG 114 35 25 W DRAINAGE AREA 186 km^2 NATURAL FLOW

CATARACT CREEK NEAR FORESTRY ROAD - STATION NO 05BL022

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	18.0 AT 20:00 MST ON JUN 4	16.0 ON JUN 5	---	---	1966
1967	39.4 AT 17:00 MST ON MAY 30	31.1 ON MAY 30	---	---	1967
1968	11.4 AT 15:30 MST ON JUN 7	10.5 ON JUN 10	---	---	1968
1969	---	22.9 ON JUN 28	---	---	1969
1970	27.7 AT 22:40 MST ON JUN 13	22.4 ON JUN 14	---	---	1970
1971	24.7 AT 06:30 MST ON JUN 6	23.1 ON JUN 6	---	---	1971
1972	39.6 AT 22:30 MST ON MAY 31	34.3 ON MAY 31	0.1108 ON FEB 8	94 800	1972
1973	15.6 AT 22:00 MST ON MAY 30	13.1 ON MAY 31	0.1938 ON DEC 31	50 100	1973
1974	48.1 AT 22:00 MST ON JUN 16	39.1 ON JUN 16 *	0.1448 ON JAN 14	84 200	1974
1975	56.6 AT 22:30 MST ON JUN 19 *	38.8 ON JUN 20	0.1878 ON JAN 20	73 900	1975
1976	35.1 AT 22:30 MST ON AUG 5	21.1 ON AUG 6	0.1788 ON MAR 25	69 700	1976
1977	5.61 AT 23:30 MST ON JUN 7	5.15 ON JUN 8	0.1618 ON JAN 15	31 200	1977
1978	22.1 AT 20:00 MST ON JUN 5	18.4 ON JUN 5	0.2528 ON JAN 30	84 400	1978
1979	20.1 AT 20:30 MST ON MAY 26	15.1 ON MAY 26	0.1898 ON DEC 2	44 600	1979
1980	34.1 AT 22:00 MST ON MAY 26	23.5 ON MAY 26	0.1418 ON JAN 27	53 100	1980
1981	48.8 AT 22:00 MST ON MAY 25	33.5 ON MAY 26	0.0888 ON DEC 28	85 000	1981
1982	13.8 AT 20:43 MST ON JUN 13	11.9 ON JUN 14	0.0808 ON JAN 3 *	41 900	1982
1983	10.3 AT 19:42 MST ON MAY 25	9.17 ON MAY 26	0.1138 ON DEC 19	34 200	1983
1984	11.5 AT 18:39 MST ON MAY 30	8.07 ON MAY 30	0.1068 ON FEB 8	32 300	1984
1985	17.5 AT 13:12 MST ON SEP 12	11.6 ON MAY 25	0.0868 ON FEB 13	50 200	1985
1986	28.7 AT 19:39 MST ON MAY 28	24.4 ON MAY 28	0.2608 ON FEB 14	80 300	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		58 400	MEAN

CAVAN LAKE DIVERSION NEAR DUNMORE - STATION NO. 05AH044

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR FEB TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	0.080	0	0.002	0	0.040	0	0	0	0	---	---	0.014	1981
1982	---	0.122	0.492	0.617	0.069	0.378	0	0.001	0	0	---	---	0.186	1982
1983	---	0.187	0.118	0.030	0.281	0.008	0.007	0	0	0	---	---	0.071	1983
1984	---	0	0.026	0.005	0	0	0	0	0	0	---	---	0.003	1984
1985	---	0	0.438	0.970	0.383	0.001	0	0	0	0	---	---	0.200	1985
1986	---	0.172	0.131	0.016	0.308	0.001	0	0	0.193	0.048	---	---	0.095	1986
MEAN	---	0.097	0.201	0.273	0.174	0.071	0.001	0	0.032	0.008	---	---	0.095	MEAN

LOCATION - LAT 49 53 50 N
LONG 110 28 50 W REGULATED

CAVAN LAKE DIVERSION NEAR DUNMORE - STATION NO. 05AH044

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR FEB TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	---	0.569A ON FEB 18	0E ON FEB 1 *	326	1981
1982	---	4.15 ON APR 13	0B ON FEB 1	4 380	1982
1983	---	1.38 ON MAY 16	0B ON FEB 1	1 680	1983
1984	---	0.233B ON MAR 25	0B ON FEB 1	82.5	1984
1985	---	4.20 ON APR 2 *	0B ON FEB 1	4 710	1985
1986	---	3.10 ON SEP 28	0B ON FEB 6	2 260	1986
				2 240	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CHIN RESERVOIR OUTFLOW TO BOUNTIFUL COULEE - STATION NO. 05AG009

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	0.034	0.076	0.022	0.076	---	---	---	1966
1967	---	---	---	---	0.743	0.052	0.111	0.208	0.187	0.111	---	---	0.237	1967
1968	---	---	---	---	0.003	0.004	0.007	0.003	0.003	0.002	---	---	0.004	1968
MEAN	---	---	---	---	0.373	0.028	0.051	0.096	0.071	0.063	---	---	0.121	MEAN

LOCATION - LAT 49 45 40 N
LONG 112 27 30 W REGULATED

CHIN RESERVOIR OUTFLOW TO BOUNTIFUL COULEE - STATION NO. 05AG009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	---	---	---	1966
1967	---	3.20 E ON MAY 11 *	0.003E ON OCT 31	3 770	1967
1968	---	0.016 ON SEP 10	0 ON OCT 21 *	89.5	1968
				1 910	MEAN

E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CHINCHAGA RIVER NEAR HIGH LEVEL - STATION NO. 07OC001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1969	---	---	---	---	---	---	---	---	---	---	---	1.43	---	1969
1970	0.449	0.291	0.358	38.1	49.4	34.6	20.9	3.29	3.78	5.63	1.41	0.124	13.2	1970
1971	0.095	0.034	0.040	57.2	57.2	85.3	66.9	13.8	10.6	9.96	2.75	1.80	25.5	1971
1972	1.03	0.577	0.408	6.60	406	25.3	59.0	23.3	4.70	3.65	3.52	1.25	45.2	1972
1973	0.615	0.529	0.193	88.5	167	93.5	80.9	50.4	28.2	14.3	4.47	2.78	44.6	1973
1974	1.24	0.988	0.930	172	289	53.4	25.1	17.9	15.0	15.3	3.34	1.07	49.9	1974
1975	0.452	0.354	0.200	17.7	76.4	42.0	29.2	6.17	9.89	3.14	1.84	0.875	15.8	1975
1976	0.283	0.193	0.136	43.3	48.5	76.8	84.9	123	40.5	18.3	6.10	1.67	37.1	1976
1977	1.63	1.43	1.26	59.2	103	304	54.4	21.1	13.9	10.3	3.39	0.983	47.7	1977
1978	0.786	0.791	0.669	10.4	124	47.3	8.50	10.5	52.1	22.3	4.61	2.42	23.8	1978
1979	1.11	0.771	0.597	8.08	285	180	113	22.0	17.3	8.53	---	---	---	1979
1980	---	---	0	6.23	5.15	13.4	13.8	18.3	16.5	20.0	4.13	0.587	---	1980
1981	0.318	0.236	0.383	39.6	177	19.1	12.4	3.31	0.897	1.16	1.89	0.626	21.6	1981
1982	0.178	0.119	0.138	0.897	182	10.3	2.04	5.63	4.84	3.09	0.865	0.624	17.8	1982
1983	0.452	0.378	0.374	30.4	76.7	32.4	22.0	26.0	14.6	7.02	2.86	0.882	17.9	1983
1984	0.378	0.285	0.188	11.3	44.2	53.0	108	15.7	25.4	10.9	4.05	1.21	23.0	1984
1985	0.535	0.082	0.102	34.0	98.9	12.6	6.36	4.59	16.4	19.3	5.00	2.59	16.9	1985
1986	1.35	0.836	0.569	16.7	84.2	18.5	26.8	9.94	3.21	5.79	2.82	1.40	14.5	1986
MEAN	0.694	0.492	0.388	37.7	133	64.8	43.2	22.1	16.4	10.5	3.30	1.30	27.6	MEAN

LOCATION - LAT 58 35 48 N
LONG 118 20 00 W
DRAINAGE AREA, 10 400 km^2
NATURAL FLOW

CHINCHAGA RIVER NEAR HIGH LEVEL - STATION NO 07DC001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1969	---	---	---	---	1969
1970	---	140 B ON APR 23	0 0788 ON DEC 27	417 000	1970
1971	345 AT 22 00 MST ON JUN 20	340 ON JUN 20	0 0038 ON FEB 21 *	805 000	1971
1972	770 AT 05 00 MST ON MAY 7	748 ON MAY 6	0 3408 ON APR 18	1 430 000	1972
1973	311 AT 06 30 MST ON MAY 14	308 ON MAY 14	0 1738 ON MAR 10	1 410 000	1973
1974	824 A AT 02 00 MST ON APR 29 *	810 A ON APR 29 *	0 8948 ON DEC 26	1 570 000	1974
1975	183 AT 03 00 MST ON MAY 29	161 ON MAY 29	0 1138 ON MAR 28	498 000	1975
1976	433 AT 09 30 MST ON AUG 20	422 ON AUG 20	0 0408 ON FEB 26	1 170 000	1976
1977	725 AT 02 00 MST ON JUN 13	694 ON JUN 7	0 8318 ON DEC 19	1 500 000	1977
1978	348 E AT 23 00 MST ON MAY 1	328 E ON MAY 2	0 5808 ON MAR 19	751 000	1978
1979	412 AT 02 00 MST ON JUL 6	403 ON JUL 6	---	---	1979
1980	46 7 AT 18 50 MST ON JUL 30	46 0 ON JUL 30	---	---	1980
1981	497 AT 00 30 MST ON MAY 4	479 ON MAY 4	0 0418 ON MAR 3	882 000	1981
1982	328 AT 20 45 MST ON MAY 5	309 ON MAY 6	0 0808 ON FEB 14	561 000	1982
1983	163 AT 08 00 MST ON APR 27	160 ON APR 27	0 3288 ON FEB 9	565 000	1983
1984	237 AT 05 30 MST ON JUL 11	235 ON JUL 11	0 1548 ON MAR 15	726 000	1984
1985	240 AT 21 30 MST ON MAY 8	236 ON MAY 8	0 0288 ON MAR 27	532 000	1985
1986	131 AT 06 00 MST ON MAY 15	131 ON MAY 15	0 3748 ON APR 2	457 000	1986
				872 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CHRISTINA RIVER NEAR CHARD - STATION NO 07CE002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	---	---	14 6	11 6	21 8	12 4	6 20	---	---	---	1982
1983	---	---	2 93	9 46	10 9	13 7	39 2	36 7	22 4	15 6	---	---	18 9	1983
1984	---	---	2 98	14 9	27 5	76 2	25 8	9 22	10 9	12 5	---	---	22 3	1984
1985	---	---	3 23	20 8	85 6	27 8	15 9	5 34	4 74	6 16	---	---	22 5	1985
1986	---	---	4 71	12 5	20 9	15 5	84 7	41 0	10 3	8 51	---	---	22 4	1986
MEAN	---	---	3 46	14 4	38 7	29 8	31 4	22 8	12 1	9 78	---	---	21 5	MEAN

LOCATION - LAT 55 50 20 N
LONG 110 52 00 W
DRAINAGE AREA 4 880 km^2

CHRISTINA RIVER NEAR CHARD - STATION NO 07CE002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	---	---	---	---	1982
1983	90 1 AT 19 18 MST ON JUL 30	89 5 ON JUL 29	2 808 ON MAR 1	400 000	1983
1984	176 AT 11 22 MST ON JUN 8 *	174 ON JUN 8	2 708 ON MAR 1	474 000	1984
1985	---	177 E ON MAY 5 *	3 008 ON MAR 1	477 000	1985
1986	153 AT 21 01 MST ON JUL 24	152 ON JUL 24	2 438 ON OCT 31 *	473 000	1986
				456 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CHRISTMAS CREEK NEAR BLUE RIDGE - STATION NO 07AH002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	1 00	0 548	0 585	---	---	---	1972
1973	---	---	0 456	1 40	2 48	3 10	1 32	1 15	0.399	0 617	---	---	1 39	1973
1974	---	---	0 051	4 84	11 9	1 77	4 85	0 451	0.390	0 357	---	---	3 08	1974
1975	---	---	0 092	1 09	2 25	2 81	2 43	1 85	1 64	0 417	---	---	1 54	1975
1976	---	---	0.096	2 82	0 974	1 25	1 88	3 58	2.26	0 559	---	---	1 65	1976
1977	---	---	0 188	2 18	7 84	4 26	3 99	1 18	1 64	1 13	---	---	2 80	1977
1978	---	---	0.205	1 48	2 57	2 39	3 18	0 822	1 99	0 998	---	---	1 72	1978
1979	---	---	0.283	0 974	6 71	7 16	8 59	1 40	0 285	0 380	---	---	3 22	1979
1980	---	---	0 111	2 81	1 35	2 05	1 62	0 730	0 780	0 585	---	---	1 24	1980
1981	---	---	0.285	1 44	1 83	1 76	0 444	0 157	0 074	0.184	---	---	0 737	1981
1982	---	---	0.014	0 850	2 48	0 115	1 89	1 62	0 717	0 295	---	---	1 00	1982
1983	---	---	0.022	0 593	0.330	1 92	6 13	1 07	0 198	0.291	---	---	1 32	1983
1984	---	---	0.137	0.848	1 82	5.22	0 648	0 125	0 617	0.392	---	---	1 18	1984
1985	---	---	0.105	1 15	1 34	2.86	0 751	0 273	1.27	0 909	---	---	1 07	1985
1986	---	---	0.172	3.59	4 02	1.87	3 73	0 598	0 543	1.42	---	---	1 86	1986
MEAN	---	---	0 155	1.85	3.39	2.74	2 85	1.08	0.859	0.619	---	---	1.71	MEAN

LOCATION - LAT 54 13 40 N
LONG 115 19 58 W
DRAINAGE AREA 424 km^2
NATURAL FLOW

CHRISTMAS CREEK NEAR BLUE RIDGE - STATION NO. 07AH002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	---	---	---	1972
1973	9.80 AT 00:30 MST ON JUN 27	9.06 ON JUN 27	0.2248 ON MAR 8	29 400	1973
1974	31.1 AT 00:20 MST ON MAY 14	27.1 ON MAY 13	0.0578 ON MAR 1	85 200	1974
1975	24.7 AT 20:00 MST ON JUN 29	23.7 ON JUN 29	0.0798 ON MAR 14	32 700	1975
1976	13.6 AT 20:30 MST ON AUG 28	13.3 ON AUG 28	0.0858 ON MAR 1	34 900	1976
1977	27.5 AT 15:00 MST ON MAY 30	26.8 ON MAY 30	0.1028 ON APR 2	59 400	1977
1978	17.6 AT 19:15 MST ON JUL 12	15.6 ON JUL 13	0.1308 ON MAR 15	36 300	1978
1979	38.1 AT 23:55 MST ON JUL 3 *	34.4 ON JUN 15 *	0.0748 ON MAR 1	68 300	1979
1980	8.22 AT 06:10 MST ON APR 18	6.978 ON APR 18	0.0888 ON MAR 1	26 300	1980
1981	3.88 AT 23:10 MST ON APR 25	3.52 ON JUN 2	0.005 ON SEP 18 *	15 800	1981
1982	5.29 AT 23:10 MST ON MAY 4	4.72 ON MAY 21	0.0108 ON MAR 1	21 300	1982
1983	17.1 AT 12:00 MST ON JUL 10	16.4 ON JUL 10	0.0098 ON MAR 9	28 000	1983
1984	35.4 AT 23:59 MST ON JUN 8	30.9 ON JUN 9	0.083 ON AUG 3	24 900	1984
1985	27.5 AT 04:55 MST ON JUN 26	22.4 ON JUN 26	0.0308 ON MAR 1	22 700	1985
1986	17.1 AT 05:55 MST ON JUL 19	16.2 ON JUL 19	0.0158 ON MAR 11	41 600	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		38 200	MEAN

CLEAR BROOK NEAR STAVELY - STATION NO. 05AC033

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR FEB TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1983	---	---	---	---	0	0	0	0	0	0	---	---	---	1983
1984	---	0	0	0	0	0	0	0	0	0	---	---	0	1984
1985	---	0.008	0.025	0	0	0	0	0	0	0	---	---	0.004	1985
1986	---	0.182	0.004	0	0	0	0	0	0	0	---	---	0.017	1986
MEAN	---	0.057	0.010	0	0	0	0	0	0	0	---	---	0.007	MEAN

LOCATION - LAT 50 09 25 N, LONG 113 27 29 W DRAINAGE AREA, 182 km^2

CLEAR BROOK NEAR STAVELY - STATION NO. 05AC033

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR FEB TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1983	---	---	0 ON MAY 1 *	---	1983
1984	---	---	0 ON FEB 1	---	1984
1985	0.3288 AT 09:24 MST ON MAR 2	0.181 ON FEB 28	0 ON FEB 1	86.5	1985
1986	5.22 AT 15:46 MST ON FEB 25 *	2.53 ON FEB 25 *	0 ON FEB 1	401	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		244	MEAN

CLEAR RIVER NEAR BEAR CANYON - STATION NO. 07FD009

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	---	---	---	---	---	---	0.146	0.476	---	---	---	1971
1972	---	---	0.009	15.2	52.6	3.75	21.4	5.06	0.694	1.30	---	---	12.6	1972
1973	---	---	0.039	48.8	26.9	13.8	3.37	1.84	2.70	1.81	---	---	12.3	1973
1974	---	---	0.089	85.7	86.1	5.95	10.4	7.20	3.14	3.67	---	---	22.7	1974
1975	---	---	0.007	11.5	17.8	5.21	1.65	0.103	0.330	0.102	---	---	4.58	1975
1976	---	---	0	6.94	7.43	6.87	7.01	16.0	2.33	0.904	---	---	5.20	1976
1977	---	---	0.169	25.1	31.5	21.7	2.73	1.48	0.846	1.06	---	---	10.5	1977
1978	---	---	0.053	7.48	24.2	3.51	0.325	0.162	2.26	1.12	---	---	4.90	1978
1979	---	---	0.089	8.34	24.3	13.7	16.8	2.84	1.41	0.801	---	---	8.52	1979
1980	---	---	0.006	2.94	2.55	2.51	1.24	0.932	1.55	1.22	---	---	1.65	1980
1981	---	---	0.121	34.9	34.7	5.01	1.86	0.198	0.078	0.119	---	---	9.70	1981
1982	---	---	0	7.00	18.4	0.940	0.249	2.63	0.491	0.376	---	---	3.52	1982
1983	---	---	0.006	12.0	5.81	7.65	7.12	2.12	0.314	0.423	---	---	4.41	1983
1984	---	---	0.654	7.25	32.8	15.0	10.5	0.291	0.378	0.801	---	---	8.45	1984
1985	---	---	0.006	12.0	10.4	2.89	1.05	0.181	2.78	2.89	---	---	3.97	1985
1986	---	---	0.152	12.3	15.6	1.45	3.48	0.255	0.027	0.305	---	---	4.22	1986
MEAN	---	---	0.091	20.0	24.6	7.40	5.94	2.75	1.24	1.04	---	---	7.88	MEAN

LOCATION - LAT 56 18 32 N, LONG 119 40 44 W DRAINAGE AREA, 2 880 km^2, NATURAL FLOW

CLEAR RIVER NEAR BEAR CANYON - STATION NO. 07FD009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	---	---	---	---	
1972	182 ON JUL 11	133 ON JUL 11	0 B ON MAR 1 *	286 000	1972
1973	---	106 B ON APR 14	0 B ON MAR 1	280 000	1973
1974	430 E ON APR 25 *	406 E ON APR 25 *	0.0578 ON MAR 14	480 000	1974
1975	39.18 AT 04:00 MST ON APR 19	31.7 B ON APR 19	0.0038 ON MAR 1	97 000	1975
1976	85.5 AT 01:30 MST ON AUG 19	51.5 ON AUG 19	0 B ON MAR 1	131 000	1976
1977	187 AT 08:00 MST ON MAY 13	153 ON MAY 13	0.1448 ON MAR 22	222 000	1977
1978	78.4 AT 10:30 MST ON MAY 23	75.6 ON MAY 23	0.0038 ON MAR 1	104 000	1978
1979	84.3 AT 21:30 MST ON APR 28	84.0 ON APR 28	0.0508 ON MAR 15	180 000	1979
1980	---	8.000E ON MAY 28	0 B ON MAR 1	35 100	1980
1981	207 AT 04:00 MST ON APR 25	180 ON APR 25	0 B ON MAR 4	205 000	1981
1982	46.3 AT 00:30 MST ON APR 24	31.9 ON APR 24	0 B ON MAR 1	74 500	1982
1983	57.8 AT 07:00 MST ON APR 23	51.9 ON APR 23	0 B ON MAR 1	53 200	1983
1984	219 AT 04:00 MST ON MAY 22	194 A ON MAY 22	0 B ON MAR 1	179 000	1984
1985	39.08 AT 20:30 MST ON APR 13	29.6 B ON APR 14	0 B ON MAR 1	64 000	1985
1986	32.4 AT 21:00 MST ON MAY 14	29.7 ON MAY 15	0 B ON MAR 1	89 300	1986
				187 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CLEARWATER RIVER ABOVE CHRISTINA RIVER - STATION NO. 07CD005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	---	---	118	---	---	---	---	1966
1967	---	---	---	---	---	131	109	91.1	87.9	87.5	---	---	---	1967
1968	---	---	---	---	106	102	85.2	85.1	90.8	118	74.8	---	---	1968
1969	---	---	---	---	122	91.0	80.7	58.1	74.3	84.1	87.3	---	---	1969
1970	---	---	---	---	---	123	114	84.9	87.5	---	---	---	---	1970
1971	---	---	---	---	116	88.8	106	74.0	61.7	58.5	---	---	---	1971
1972	---	---	---	---	---	88.6	76.9	63.7	58.4	---	---	---	---	1972
1973	---	---	---	---	115	95.5	111	139	93.4	107	---	---	---	1973
1974	---	---	---	---	203	---	---	129	112	107	---	---	---	1974
1975	---	---	---	---	---	122	170	148	154	150	91.9	81.6	---	1975
1976	80.8	50.4	51.4	138	110	105	99.4	105	141	111	84.2	82.3	91.5	1976
1977	59.8	56.6	55.2	117	128	153	153	115	104	101	73.5	80.7	98.0	1977
1978	64.8	51.9	45.4	75.6	149	110	79.3	82.3	137	138	82.1	69.1	80.6	1978
1979	56.1	51.0	47.4	58.0	218	135	110	88.4	104	99.0	72.7	65.9	92.4	1979
1980	54.8	46.4	44.2	94.7	80.8	85.6	57.3	59.3	77.0	75.8	55.5	41.7	63.6	1980
1981	34.9	42.2	46.0	83.6	97.4	75.7	89.8	48.3	40.8	44.0	43.0	35.6	55.5	1981
1982	33.6	26.6	25.9	48.9	158	85.5	73.9	80.9	73.2	85.7	52.9	44.8	64.5	1982
1983	44.3	50.3	47.4	102	111	98.9	68.9	59.1	70.9	68.8	58.3	48.7	68.9	1983
1984	42.7	42.8	43.6	91.0	83.3	82.4	77.7	72.7	71.0	77.0	62.2	47.4	66.1	1984
1985	41.4	38.1	38.5	86.3	168	90.1	88.3	59.1	68.5	75.9	58.7	42.4	69.9	1985
1986	42.7	36.0	40.9	80.9	136	87.9	111	103	80.2	79.4	72.4	52.1	77.1	1986
MEAN	48.3	44.8	44.1	88.7	131	102	84.8	87.2	89.7	90.4	85.7	52.6	76.2	MEAN

LOCATION - LAT 56 39 40 N, LONG 110 55 40 W
DRAINAGE AREA, 17 000 km^2
NATURAL FLOW

CLEARWATER RIVER ABOVE CHRISTINA RIVER - STATION NO. 07CD005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1968	---	---	---	---	1968
1969	---	---	---	---	1969
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1972	---	---	---	---	1972
1973	300 AT 17:00 MST ON AUG 7	292 ON AUG 7	---	---	1973
1974	---	---	---	---	1974
1975	234 AT 02:00 MST ON JUL 18	233 ON JUL 18	---	---	1975
1976	232 AT 02:00 MST ON APR 17	226 ON APR 17	28.38 ON NOV 25	2 890 000	1976
1977	2198 AT 21:10 MST ON APR 21	194 ON JUN 3	45.38 ON NOV 23	3 090 000	1977
1978	240 AT 20:40 MST ON APR 29	221 ON APR 29	44.58 ON MAR 6	2 860 000	1978
1979	389 AT 16:45 MST ON MAY 15 *	386 ON MAY 16 *	46.48 ON MAR 8	2 920 000	1979
1980	175E ON APR 19	175B ON APR 19	34.58 ON DEC 27	2 010 000	1980
1981	119 AT 08:55 MST ON MAY 1	119 ON MAY 1	27.08 ON OCT 28	1 750 000	1981
1982	---	225E ON MAY 1	25.08 ON FEB 21 *	2 040 000	1982
1983	182 AT 09:09 MST ON APR 25	181 ON APR 25	37.08 ON NOV 25	2 170 000	1983
1984	139 AT 21:00 MST ON APR 14	129 ON APR 13	42.58 ON JAN 12	2 090 000	1984
1985	249 AT 08:12 MST ON MAY 6	247 ON MAY 6	37.78 ON MAR 16	2 200 000	1985
1986	152 AT 14:46 MST ON MAY 15	151 ON MAY 13	34.08 ON FEB 21	2 430 000	1986
				2 400 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CLEARWATER RIVER ABOVE LIMESTONE CREEK - STATION NO. 05DB003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	---	---	---	---	---	39.3	35.5	20.7	16.6	12.0	---	---	---	1959
1960	---	---	---	---	11.0	25.7	30.9	20.0	11.1	8.16	---	---	17.8	1960
1961	---	---	---	---	18.7	30.6	21.0	23.8	12.2	9.82	---	---	19.4	1961
1962	---	---	---	---	17.5	24.3	26.7	21.7	14.0	9.05	---	---	18.9	1962
1963	---	---	---	---	11.3	35.1	48.9	28.0	17.5	10.3	---	---	25.2	1963
1964	---	---	---	---	25.6	51.8	45.5	19.2	17.0	12.9	---	---	30.3	1964
1965	---	---	---	---	---	78.2	64.5	31.7	27.5	18.7	---	---	---	1965
1966	---	---	---	---	24.0	29.6	43.4	30.4	19.2	13.3	---	---	26.7	1966
1967	---	---	---	---	16.0	45.4	28.7	19.2	13.4	7.84	---	---	22.0	1967
1968	---	---	---	---	11.7	30.7	32.5	24.1	16.1	12.3	---	---	21.2	1968
1969	---	---	---	---	25.8	38.6	56.5	26.0	14.9	9.86	---	---	28.7	1969
1970	---	---	---	---	14.4	42.8	28.3	16.3	9.80	7.10	---	---	19.4	1970
1971	---	---	---	---	17.2	39.3	23.4	19.1	10.6	7.32	---	---	19.4	1971
1972	---	---	---	---	13.0	61.7	43.2	29.6	18.6	11.9	---	---	29.6	1972
1973	---	---	---	---	26.0	37.1	30.0	21.0	14.8	9.11	---	---	23.3	1973
1974	---	---	---	---	18.8	57.2	37.3	23.6	16.0	10.7	---	---	27.0	1974
1975	---	---	---	---	9.33	18.5	26.2	15.8	9.49	5.80	---	---	14.4	1975
1976	---	--	---	---	12.3	15.3	24.0	25.8	17.4	8.83	---	---	17.3	1976
1977	---	--	---	---	14.8	27.9	18.9	23.2	14.4	10.0	---	---	18.2	1977
1978	---	---	---	---	13.1	48.4	38.6	24.8	22.2	11.7	---	---	26.5	1978
1979	---	---	---	---	16.0	24.8	22.7	16.4	12.1	8.56	---	---	17.0	1979
1980	---	---	---	---	18.4	48.8	24.8	20.8	15.1	11.3	---	---	23.1	1980
1981	---	---	---	---	32.3	30.4	69.2	45.6	18.3	10.8	---	---	34.7	1981
1982	---	---	---	---	10.8	33.7	31.8	17.8	14.7	11.3	---	---	18.8	1982
1983	---	---	---	---	15.3	26.8	32.8	18.3	12.7	8.42	---	---	18.8	1983
1984	---	---	---	---	8.48	32.8	23.1	17.2	12.8	10.8	---	---	17.1	1984
1985	---	---	---	---	10.6	18.1	18.7	17.8	24.4	12.2	---	---	16.7	1985
1986	---	---	---	---	28.0	38.4	37.7	23.1	17.1	20.3	---	---	27.1	1986
MEAN	---	---	---	---	16.9	37.1	34.5	22.9	15.7	10.7	---	---	22.3	MEAN

LOCATION - LAT 51 59 30 N DRAINAGE AREA, 1 340 km²
LONG 115 26 00 W NATURAL FLOW

CLEARWATER RIVER ABOVE LIMESTONE CREEK - STATION NO. 05DB003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1959	81.6 AT 07:00 MST ON JUN 13	70.8 ON JUN 27	---	---	1959
1960	49.6 AT 05:00 MST ON JUL 2	47.3 ON JUL 2	5.89 ON MAY 1	283 000	1960
1961	56.4 AT 06:00 MST ON MAY 28	52.4 ON MAY 27	4.93 ON MAY 1	308 000	1961
1962	40.8 AT 08:00 MST ON JUN 27	37.4 ON JUN 27	7.84 ON OCT 30	300 000	1962
1963	92.6 AT 17:00 MST ON JUL 25	77.6 ON JUL 17	6.63 ON MAY 19	401 000	1963
1964	211 AT 02:00 MST ON JUL 4	136 ON JUL 4	8.50E ON OCT 31	481 000	1964
1965	510 AT 18:00 MST ON JUN 18 *	283 ON JUN 18 *	---	---	1965
1966	108 AT 01:00 MST ON JUL 4	93.2 ON JUL 4	6.29 ON MAY 1	424 000	1966
1967	114 AT 02:45 MST ON MAY 31	86.9 ON MAY 31	4.25E ON MAY 4	351 000	1967
1968	97.8 AT 12:04 MST ON JUN 27	63.6 ON JUN 27	5.72 ON MAY 8	337 000	1968
1969	194 AT 10:40 MST ON JUL 5	147 ON JUL 5	7.88E ON OCT 31	458 000	1969
1970	209 AT 13:40 MST ON JUN 16	169 ON JUN 16	5.35 ON MAY 1	308 000	1970
1971	119 AT 12:00 MST ON JUN 6	99.1 ON JUN 6	8.29 ON OCT 27	309 000	1971
1972	199 AT 09:30 MST ON JUN 25	160 ON JUN 25	4.25 ON MAY 3	470 000	1972
1973	75.3 AT 16:00 MST ON JUN 24	59.1 ON JUN 24	7.65A ON OCT 31	371 000	1973
1974	120 AT 05:00 MST ON JUN 17	104 ON JUN 17	9.34 ON OCT 31	429 000	1974
1975	40.2 AT 17:00 MST ON JUL 14	39.1 ON JUL 14	4.73A ON MAY 2	238 000	1975
1976	46.7 AT 17:30 MST ON AUG 10	43.0 ON AUG 10	5.30 ON MAY 1	275 000	1976
1977	63.1 AT 07:30 MST ON JUN 9	57.5 ON JUN 9	4.61 ON MAY 2	289 000	1977
1978	82.6 AT 11:45 MST ON JUN 6	64.4 ON JUN 6	7.87 ON MAY 8	422 000	1978
1979	53.5 AT 12:00 MST ON MAY 27	46.7 ON MAY 27	7.37 ON OCT 25	271 000	1979
1980	75.5 AT 13:00 MST ON JUN 17	70.9 ON JUN 17	9.00E ON OCT 31	367 000	1980
1981	152 AT 17:10 MST ON JUL 30	137 ON JUL 15	6.01 ON MAY 1	552 000	1981
1982	58.5 AT 17:12 MST ON JUL 21	53.5 ON JUL 22	5.45 ON MAY 9	317 000	1982
1983	85.9 AT 14:54 MST ON JUL 3	76.8 ON JUL 3	1.19 ON OCT 26 *	295 000	1983
1984	84.2 AT 11:55 MST ON JUN 30	76.0 ON JUN 30	3.83 ON MAY 13	272 000	1984
1985	82.7 AT 08:19 MST ON SEP 13	73.4 ON SEP 13	6.19 ON MAY 13	266 000	1985
1986	117 AT 05:04 MST ON MAY 29	105 ON MAY 28	5.01 ON MAY 1	431 000	1986
				354 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

CLEARWATER RIVER AT DRAPER - STATION NO. 07CD001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1931	53.7	43.9	49.1	---	---	---	---	---	---	---	---	---	---	1931
1957	---	---	---	---	---	---	---	---	88.0	89.8	80.7	73.0	---	1957
1958	54.2	47.3	48.8	311	270	129	76.3	71.4	98.8	122	85.9	86.7	115	1958
1959	51.1	46.1	46.8	---	204	212	126	109	230	237	134	96.5	---	1959
1960	76.2	85.9	89.7	159	348	354	317	346	430	212	127	83.0	215	1960
1961	80.8	73.1	70.6	98.3	306	188	152	104	76.4	86.9	80.3	63.4	110	1961
1962	39.3	34.6	41.3	49.9	346	474	487	195	152	145	112	89.2	180	1962
1963	72.8	80.5	87.0	186	290	152	94.5	80.1	88.9	83.7	71.5	63.7	107	1963
1964	63.8	66.1	67.3	80.1	263	183	98.2	114	107	107	73.6	58.8	98.3	1964
1965	51.9	63.5	63.6	87.4	228	203	178	157	188	149	99.7	76.4	125	1965
1966	59.2	67.1	62.4	124	209	259	187	180	186	127	75.2	64.9	127	1966
1967	59.5	64.9	57.6	88.3	348	209	148	130	83.1	79.3	89.9	80.1	116	1967
1968	64.3	63.4	64.5	82.9	131	120	106	82.8	125	155	117	81.6	92.4	1968
1969	63.3	63.6	66.5	253	240	182	83.0	88.3	112	136	74.9	67.7	114	1969
1970	60.0	64.6	59.8	157	212	188	414	190	209	193	118	78.1	155	1970
1971	63.0	66.5	65.9	210	218	130	242	119	80.7	73.3	66.0	49.0	113	1971
1972	41.9	36.4	44.1	72.0	385	146	108	74.6	85.4	95.5	74.1	58.6	84.7	1972
1973	46.5	49.7	49.4	124	156	275	201	335	243	247	152	85.9	165	1973
1974	75.9	83.7	97.3	308	488	310	272	195	189	138	105	84.7	169	1974
1975	73.2	86.1	81.6	122	297	235	327	267	274	225	135	87.8	182	1975
1976	80.1	85.4	84.5	184	151	149	199	176	271	189	102	89.2	141	1976
1977	71.8	85.6	91.9	146	195	245	214	157	133	129	84.0	72.4	132	1977
1978	80.7	97.2	96.9	123	235	179	107	111	239	219	111	82.0	131	1978
1979	89.6	99.4	94.0	88.2	330	274	208	159	207	173	130	120	155	1979
1980	72.4	86.8	81.5	146	109	101	76.8	231	200	186	99.0	86.7	113	1980
1981	68.3	62.8	67.8	117	151	107	116	86.5	44.1	60.0	47.3	39.3	76.0	1981
1982	37.8	26.3	28.7	73.4	249	134	102	119	85.5	78.3	67.8	65.8	88.2	1982
1983	68.8	66.1	66.8	127	137	133	131	127	120	105	86.8	81.4	99.4	1983
1984	82.0	81.0	82.7	138	180	214	160	101	100	110	86.8	83.4	105	1984
1985	82.3	81.8	81.8	127	404	182	122	81.8	76.6	87.3	89.4	68.9	113	1985
1986	68.4	67.7	67.8	118	186	127	202	188	89.5	86.1	78.7	82.4	108	1986
MEAN	66.2	62.4	61.8	138	249	193	180	150	151	136	92.5	88.7	127	MEAN

LOCATION - LAT. 55 41 07 N
LONG 111 15 15 W

DRAINAGE AREA, 30 800 km²
NATURAL FLOW

CLEARWATER RIVER AT DRAPER - STATION NO. 07CD001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1931	---	---	---	---	1931
1957	---	---	---	---	1957
1958	---	5888 ON APR 20	48.28 ON FEB 17	3 630 000	1958
1959	---	---	---	---	1959
1960	517 AT 20 00 MST ON JUL 28	512 ON SEP 8	56.88 ON MAR 26	5 600 000	1960
1961	---	4258 ON MAY 6	41.88 ON DEC 31	3 480 000	1961
1962	714 AT 13 00 MST ON JUN 12	711 ON JUN 12	32.98 ON FEB 13	5 880 000	1962
1963	---	518 ON APR 29	40.28 ON DEC 16	3 390 000	1963
1964	311 AT 20 00 MST ON MAY 27	309 ON MAY 26	41.98 ON JAN 30	3 140 000	1964
1965	337 AT 18 00 MST ON APR 30	311 ON MAY 1	40.58 ON MAR 1	3 950 000	1965
1966	---	380 ON MAY 24	39.98 ON MAR 13	4 010 000	1966
1967	4288 AT 14 00 MST ON MAY 6	405 ON MAY 6	48.18 ON DEC 31	3 850 000	1967
1968	---	219 ON SEP 29	30.38 ON JAN 18	2 930 000	1968
1969	---	5888 ON APR 24	51.08 ON FEB 18	3 580 000	1969
1970	728 AT 04 00 MST ON JUL 3 *	708 ON JUL 3	37.48 ON MAR 17	5 030 000	1970
1971	---	5218 ON APR 23	40.68 ON DEC 27	3 560 000	1971
1972	---	8518 ON MAY 2	34.08 ON FEB 13	3 120 000	1972
1973	580 AT 01 00 MST ON AUG 8	572 ON AUG 8	46.28 ON JAN 7	5 210 000	1973
1974	---	7908 ON APR 30 *	54.98 ON FEB 25	5 950 000	1974
1975	450 AT 12 00 MST ON JUL 19	450 ON JUL 19	59.68 ON MAR 28	5 740 000	1975
1976	371 AT 11 10 MST ON SEP 1	371 ON SEP 1	35.18 ON NOV 28	4 450 000	1976
1977	346 AT 23 18 MST ON JUN 3	343 ON JUN 3	55.28 ON NOV 23	4 150 000	1977
1978	317 AT 02 00 MST ON APR 30	311 ON SEP 28	55.28 ON FEB 27	4 130 000	1978
1979	581 AT 12 50 MST ON MAY 18	559 ON MAY 18	62.78 ON MAR 12	4 890 000	1979
1980	3788 AT 18 10 MST ON APR 30	332 ON AUG 18	43.48 ON DEC 30	3 580 000	1980
1981	---	1988 ON MAY 3	32.68 ON NOV 28	2 370 000	1981
1982	389 AT 06 50 MST ON MAY 2	380 ON MAY 2	26.28 ON FEB 19 *	2 780 000	1982
1983	225 AT 08 30 MST ON APR 25	224 ON APR 25	43.08 ON JAN 2	3 140 000	1983
1984	291 AT 05 00 MST ON JUN 7	291 ON JUN 7	51.08 ON FEB 7	3 330 000	1984
1985	582 AT 13 45 MST ON MAY 7	559 ON MAY 7	47.58 ON DEC 22	3 570 000	1985
1986	302 AT 19 39 MST ON JUL 22	301 ON JUL 23	45.08 ON MAR 10	3 420 000	1986
				4 030 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CLEARWATER RIVER NEAR DOVERCOURT - STATION NO. 08OB005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	---	---	---	7.87	6.08	4.35	---	1975
1976	4.09	4.21	5.00	8.06	13.2	18.1	25.6	31.5	19.5	10.8	7.03	5.36	12.7	1976
1977	4.43	5.66	4.56	7.17	26.8	34.3	21.8	25.2	18.8	13.1	8.88	5.64	14.7	1977
1978	5.08	5.61	6.19	10.4	22.5	59.6	45.6	29.3	36.4	16.0	8.88	5.76	20.2	1978
1979	5.38	5.23	7.43	9.14	16.8	26.5	23.1	18.6	13.0	8.09	6.43	3.29	12.2	1979
1980	2.66	3.66	4.36	10.6	21.3	59.1	32.0	24.6	19.1	15.1	9.44	6.48	17.5	1980
1981	6.62	5.48	5.29	6.59	40.7	34.5	77.6	56.9	33.8	15.2	10.3	5.82	24.4	1981
1982	3.76	3.63	1.84	7.80	13.9	34.6	44.3	33.7	17.2	12.8	7.89	6.54	14.8	1982
1983	3.72	4.87	6.71	10.6	19.1	28.3	37.4	19.3	13.3	9.83	7.42	1.87	13.6	1983
1984	5.20	5.37	5.86	7.02	7.42	35.1	23.6	17.0	16.3	12.5	7.08	4.05	12.2	1984
1985	4.12	3.46	4.89	8.82	13.4	17.7	19.6	20.3	33.2	15.5	8.80	7.43	13.1	1985
1986	5.71	4.92	7.24	7.84	32.5	43.4	60.2	29.1	35.7	39.3	15.3	9.30	22.7	1986
MEAN	4.61	4.69	5.54	8.55	20.9	35.5	37.4	26.5	20.5	13.9	8.59	5.77	16.2	MEAN

LOCATION - LAT 52 15 09 N DRAINAGE AREA, 2 230 km²
LONG 114 51 14 W NATURAL FLOW

CLEARWATER RIVER NEAR DOVERCOURT - STATION NO. 08OB005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1975	---	---	---	---	1975
1976	55.8 AT 15:40 MST ON AUG 9	50.7 ON AUG 11	3.20 B ON JAN 7	403 000	1976
1977	81.4 AT 01:00 MST ON JUN 10	58.1 ON JUN 9	3.62 B ON JAN 12	485 000	1977
1978	111 AT 07:30 MST ON JUN 7	106 ON JUN 7	4.50 B ON JAN 1	638 000	1978
1979	60.1 AT 08:30 MST ON MAY 23	45.4 ON MAY 24	1.20 B ON DEC 17	384 000	1979
1980	94.1 AT 00:30 MST ON JUN 18	87.2 ON JUN 8	2.40 B ON JAN 25	554 000	1980
1981	223 AT 15:00 MST ON JUL 31 *	194 ON JUL 31 *	3.00 B ON DEC 31	768 000	1981
1982	77.9 AT 21:12 MST ON JUL 5	73.3 ON JUL 6	0.7808 ON APR 7 *	467 000	1982
1983	93.7 AT 14:48 MST ON JUL 4	84.5 ON JUL 4	1.56 B ON DEC 20	428 000	1983
1984	86.9 AT 09:01 MST ON JUN 10	69.1 ON JUN 10	2.97 B ON NOV 1	385 000	1984
1985	89.3 AT 07:37 MST ON SEP 14	84.2 ON SEP 14	2.76 B ON FEB 8	414 000	1985
1986	156 AT 21:34 MST ON JUL 18	136 ON JUL 18	3.40 B ON FEB 20	718 000	1986
				511 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

CLEARWATER RIVER NEAR ROCKY MOUNTAIN HOUSE - STATION NO. 05DB001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	5.36	5.96	6.85	9.97	21.1	39.1	39.9	22.2	17.3	17.1	12.1	8.24	16.8	1914
1915	6.97	5.80	7.03	10.2	45.8	161	187	90.0	45.2	29.0	21.7	13.0	50.3	1915
1916	8.89	8.80	11.3	20.2	35.2	104	82.2	71.2	80.6	32.7	21.3	12.3	39.1	1916
1917	11.6	10.6	10.6	13.7	71.5	78.6	57.7	32.3	28.7	20.8	14.0	7.82	29.9	1917
1918	8.00	6.85	8.23	17.6	23.1	47.4	28.5	27.2	20.1	15.0	9.27	5.17	18.2	1918
1919	5.65	5.30	5.81	11.1	21.5	20.9	21.3	31.4	22.6	14.0	7.41	4.80	14.4	1919
1920	4.05	5.33	5.84	11.5	85.3	51.2	68.1	30.1	18.0	11.8	8.13	5.31	23.9	1920
1921	4.97	5.15	5.08	17.3	31.5	36.0	30.2	23.4	13.1	10.1	7.84	4.55	15.8	1921
1922	4.98	5.43	5.38	14.7	38.7	37.5	29.0	38.8	21.8	14.7	8.09	4.82	18.7	1922
1923	4.37	4.01	5.95	16.2	22.6	165	87.2	77.3	44.5	23.7	15.4	8.59	39.5	1923
1924	7.84	7.13	7.38	18.0	55.1	58.1	49.4	55.9	29.1	19.7	12.2	8.70	27.1	1924
1925	7.61	8.97	5.95	25.5	26.1	59.3	40.0	90.4	74.3	43.7	21.8	10.8	34.5	1925
1926	11.6	11.7	11.7	20.3	16.3	35.3	39.6	28.3	139	51.1	27.5	12.8	33.7	1926
1927	8.87	9.05	8.78	28.1	27.2	86.7	72.5	52.0	46.0	29.3	12.5	5.28	30.7	1927
1928	9.65	8.96	12.9	33.0	20.9	155	98.6	34.8	23.6	16.9	11.7	8.90	35.2	1928
1929	5.88	5.83	6.97	10.3	29.6	69.9	23.5	23.6	17.6	11.0	8.28	6.32	18.2	1929
1930	5.62	6.88	6.34	10.2	28.3	48.2	36.2	25.6	20.6	14.6	9.29	6.38	19.1	1930
1931	5.36	5.95	7.14	10.3	---	---	---	---	---	---	---	---	---	1931
1944	---	---	6.93	11.6	29.4	92.0	56.8	73.9	35.7	25.7	---	---	---	1944
1945	---	---	8.83	13.6	53.9	81.7	47.3	41.0	34.3	32.3	---	---	---	1945
1946	---	---	8.61	19.9	27.0	81.1	46.4	29.7	27.3	19.1	---	---	---	1946
1947	---	---	14.9	26.1	35.9	61.6	46.1	32.0	27.3	22.0	---	---	---	1947
1948	---	---	9.82	17.6	116	77.9	46.3	44.1	24.2	16.8	---	---	---	1948
1949	---	---	9.89	16.6	18.5	19.7	23.4	17.4	12.7	11.1	---	---	---	1949
1950	---	---	3.73	10.2	17.3	45.6	42.8	28.1	15.6	9.98	---	---	---	1950
1951	---	---	8.07	8.72	45.5	46.9	62.8	34.2	46.1	28.6	---	---	---	1951
1952	---	---	10.0	26.1	24.8	111	76.9	49.6	28.8	19.1	---	---	---	1952
1953	---	---	9.81	17.9	40.7	94.0	67.1	41.8	28.3	17.9	12.9	8.83	---	1953
1954	5.40	9.08	8.95	8.74	56.8	92.8	58.4	83.8	83.8	37.1	24.0	19.5	40.7	1954
1955	12.4	8.13	7.98	36.9	46.0	61.4	47.4	24.0	18.6	14.1	8.22	6.33	24.2	1955
1956	5.69	5.00	11.9	16.9	24.8	37.7	37.3	25.1	19.1	12.7	8.80	6.58	17.6	1956
1957	5.05	4.37	5.85	19.1	41.5	35.7	24.8	25.0	23.7	21.1	15.0	10.7	19.4	1957
1958	8.88	8.75	9.49	16.8	39.3	46.3	59.4	29.4	21.8	15.1	10.4	8.80	22.6	1958
1959	7.39	7.90	11.6	12.9	19.9	58.9	46.9	29.9	22.8	19.8	15.6	9.75	22.1	1959
1960	7.88	9.80	12.2	19.3	28.8	36.4	39.5	25.6	18.2	13.2	11.2	7.08	19.0	1960
1961	5.35	5.96	8.86	8.21	29.0	34.5	25.7	25.6	15.5	14.0	8.13	5.20	15.9	1961
1962	6.00	8.53	7.61	18.2	23.8	32.7	36.4	32.0	21.2	14.3	9.85	7.10	18.2	1962
1963	8.37	9.67	8.88	22.5	22.4	48.1	72.5	42.5	28.9	18.9	11.6	7.05	24.7	1963
1964	7.55	9.13	8.36	17.1	56.7	95.7	83.4	24.0	23.2	20.0	17.8	10.3	29.5	1964
1965	5.78	7.78	10.9	31.8	26.0	127	121	46.3	63.0	37.5	23.5	15.6	42.3	1965
1966	10.9	8.85	10.6	16.6	30.2	36.4	83.6	47.6	28.7	21.1	12.9	10.4	25.0	1966
1967	8.68	7.21	7.84	13.9	37.4	74.3	37.0	24.9	16.8	12.6	9.34	8.01	21.1	1967
1968	6.82	8.83	10.3	16.9	17.7	38.0	41.8	35.4	24.3	20.5	15.3	8.21	19.4	1968
1969	8.55	8.41	8.17	16.8	36.2	49.2	97.4	39.6	24.0	17.1	12.8	9.68	27.7	1969
1970	5.90	7.90	7.90	13.3	31.0	70.7	45.6	24.0	15.5	13.1	8.45	7.75	20.8	1970
1971	5.19	5.11	5.17	20.4	26.4	58.5	33.7	23.7	15.3	11.1	8.19	5.39	18.2	1971
1972	5.13	5.90	9.88	14.5	23.6	103	72.9	38.8	32.5	23.8	14.1	10.2	29.5	1972
1973	8.80	8.80	8.74	25.8	51.5	56.6	43.0	28.7	22.4	15.4	11.0	9.35	24.2	1973
1974	7.30	8.13	7.83	15.5	54.5	76.1	51.5	34.1	25.8	21.7	13.5	7.88	27.4	1974
1975	8.48	8.93	8.80	9.19	21.3	27.5	31.6	21.4	---	---	---	---	---	1975
MEAN	7.00	7.12	8.26	19.1	35.4	65.8	54.1	38.4	31.0	20.2	13.0	8.33	25.5	MEAN

LOCATION - LAT. 52 30 00 N DRAINAGE AREA. 3 220 km²
LONG 114 56 10 W NATURAL FLOW

CLEARWATER RIVER NEAR ROCKY MOUNTAIN HOUSE - STATION NO 05DB001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	84.6 ON JUN 8	3.548 ON DEC 17	530 000	1914
1915	---	1 110 ON JUN 27 *	4.538 ON JAN 1	1 590 000	1915
1916	---	321 ON JUN 20	7.338 ON JAN 24	1 240 000	1916
1917	---	174 ON MAY 17	3.798 ON DEC 12	843 000	1917
1918	---	119 ON JUN 15	3.578 ON DEC 22	573 000	1918
1919	---	42.2 ON AUG 9	2.788 ON DEC 10	455 000	1919
1920	---	178 ON MAY 9	3.348 ON JAN 23	785 000	1920
1921	---	86.8 ON JUN 7	1.988 ON DEC 22	499 000	1921
1922	75.3 AT 19:00 MST ON AUG 17	72.5 ON AUG 17	2.558 ON MAR 28	581 000	1922
1923	---	320 ON JUN 3	3.078 ON JAN 27	1 240 000	1923
1924	153 AT 20:00 MST ON MAY 1	115 ON MAY 1	2.298 ON DEC 19	858 000	1924
1925	328 AT 18:00 MST ON AUG 17	274 ON AUG 17	4.118 ON MAR 15	1 090 000	1925
1926	---	233 ON SEP 2	3.378 ON APR 1	1 080 000	1926
1927	117 AT 10:00 MST ON JUL 28	113 ON JUL 28	4.508 ON DEC 29	868 000	1927
1928	267 AT 10:00 MST ON JUN 19	259 ON JUN 19	4.938 ON JAN 1	1 110 000	1928
1929	253 AT 18:00 MST ON JUN 3	230 ON JUN 3	4.648 ON JAN 27	974 000	1929
1930	---	85.3 ON JUN 11	4.818 ON DEC 28	802 000	1930
1931	---	---	2.108 ON JAN 20	---	1931
1944	---	231 ON JUN 15	---	---	1944
1945	---	103 ON JUN 1	---	---	1945
1946	---	144 ON JUN 23	---	---	1946
1947	---	119 ON JUN 28	---	---	1947
1948	---	259 ON MAY 24	---	---	1948
1949	---	46.2 ON JUL 21	---	---	1949
1950	---	137 ON JUN 15	---	---	1950
1951	---	90.6 ON MAY 5	---	---	1951
1952	425 AT 15:00 MST ON JUN 24	411 ON JUN 24	---	---	1952
1953	171 AT 14:00 MST ON JUN 4	167 ON JUN 4	---	---	1953
1954	385 AT 12:00 MST ON AUG 28	357 ON AUG 28	2.948 ON MAR 28	1 280 000	1954
1955	96.3 AT 23:45 MST ON JUN 13	89.5 ON JUN 14	3.148 ON NOV 12	783 000	1955
1956	---	53.8A ON JUN 21	3.998 ON FEB 4	558 000	1956
1957	78.4 AT 18:00 MST ON APR 30	66.5 ON MAY 1	4.258 ON JAN 4	512 000	1957
1958	104 AT 23:00 MST ON JUL 2	98.3 ON JUL 2	3.328 ON DEC 10	714 000	1958
1959	146 AT 06:00 MST ON JUN 28	135 ON JUN 28	3.458 ON JAN 7	698 000	1959
1960	83.7 AT 02:00 MST ON JUL 3	82.0 ON JUL 3	3.278 ON DEC 6	800 000	1960
1961	82.9 AT 06:00 MST ON JUL 3	59.2 ON MAY 26	2.558 ON JAN 30	402 000	1961
1962	82.0 AT 01:00 MST ON MAY 21	55.5 ON MAY 21	2.388 ON JAN 9	574 000	1962
1963	147 AT 03:00 MST ON JUL 17	136 ON JUL 17	1.878 ON DEC 21 *	781 000	1963
1964	189 AT 22:00 MST ON MAY 7	168 ON MAY 7	2.948 ON MAR 25	832 000	1964
1965	524 AT 16:00 MST ON JUN 19 *	385 ON JUN 19	4.458 ON JAN 28	1 330 000	1965
1966	180 AT 19:00 MST ON JUL 4	162 ON JUL 5	3.578 ON DEC 1	787 000	1966
1967	152 AT 03:00 MST ON JUN 1	136 ON JUN 1	3.348 ON JAN 26	884 000	1967
1968	74.2 AT 19:00 MST ON JUL 21	69.8 ON JUL 22	3.118 ON JAN 6	613 000	1968
1969	286 AT 10:20 MST ON JUL 7	274 ON JUL 6	7.798 ON DEC 31	873 000	1969
1970	399 A AT 15:00 MST ON JUN 17	340 A ON JUN 17	3.798 ON NOV 23	855 000	1970
1971	146 AT 07:00 MST ON JUN 7	138 ON JUN 7	4.458 ON MAR 3	575 000	1971
1972	467 AT 08:00 MST ON JUN 26	442 ON JUN 26	4.798 ON JAN 3	932 000	1972
1973	98.8 AT 18:00 MST ON MAY 28	95.6 ON MAY 28	5.668 ON JAN 28	783 000	1973
1974	121 AT 04:30 MST ON JUN 18	115 ON JUN 18	5.668 ON DEC 26	863 000	1974
1975	45.3 AT 16:30 MST ON JUN 26	42.8 ON JUN 27	---	---	1975
				809 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

CLUNY SPILLWAY NEAR CLUNY - STATION NO 05BM013

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	---	0.257	0.183	0.333	0.321	0.054	---	---	---	1965
1966	---	---	0.728	0.188	0.185	0.288	0.494	0.156	0.084	0.125	---	---	0.219	1966
1967	---	---	---	---	---	0.119	0.042	0.030	0.026	0.008	---	---	---	1967
1968	---	---	---	---	0.108	0.142	0.121	0.122	0.095	0.100	---	---	0.115	1968
1969	---	---	---	---	0.061	0.267	0.194	0.065	0.194	0.152	---	---	0.146	1969
1970	---	---	---	---	0.144	0.242	0.205	0.178	0.049	0.035	---	---	0.142	1970
MEAN	---	---	0.728	0.188	0.120	0.219	0.203	0.148	0.121	0.079	---	---	0.156	MEAN

LOCATION - LAT 50 48 55 N, LONG 112 54 18 W DRAINAGE AREA, 179 km^2, REGULATED

CLUNY SPILLWAY NEAR CLUNY - STATION NO 05BM013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	1.05 ON JUN 28	0 ON OCT 19 *	---	1965
1966	---	4.39 ON JUL 3 *	0.054E ON OCT 11	3 480	1966
1967	---	---	0 ON AUG 25	---	1967
1968	---	0.620 ON OCT 29	0.013 ON SEP 18	1 820	1968
1969	---	1.85 ON JUN 29	0 ON AUG 18	2 330	1969
1970	---	0.988 ON JUN 14	0 ON SEP 17	2 260	1970
				2 470	MEAN

E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

COAL CREEK AT BOW CITY - STATION NO 05BN014

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	---	0.299	0.088	0.313	0.081	0.393	0.003	---	---	1965
1966	---	---	---	---	0.005	0.071	0.047	0.121	0.084	0.104	---	---	0.059	1966
1967	---	---	---	0.185	0.402	0.148	0.081	0.122	0.058	0.276	---	---	0.182	1967
1968	---	---	---	---	0.187	0.334	0.214	0.338	0.424	0.388	---	---	0.315	1968
1969	---	---	---	---	0.181	0.323	0.112	0.274	0.187	0.272	---	---	0.225	1969
1970	---	---	---	---	0.185	0.333	0.183	0.253	0.277	0.142	---	---	0.225	1970
1971	---	---	---	---	0.097	0.110	0.124	0.238	0.240	0.111	---	---	0.153	1971
1972	---	---	---	---	0.082	0.185	0.145	0.212	0.185	0.143	---	---	0.156	1972
1973	---	---	---	---	0.100	0.255	0.147	0.212	0.277	0.096	---	---	0.180	1973
1974	---	---	---	---	0.010	0.169	0.148	0.212	0.216	0.187	---	---	0.153	1974
1975	---	---	---	---	0.128	0.109	0.080	0.213	0.287	0.085	---	---	0.150	1975
1976	---	---	---	---	0.082	0.081	0.084	0.123	0.074	0.072	---	---	0.083	1976
1977	---	---	---	---	0.089	0.048	0.148	0.144	0.088	0.016	---	---	0.086	1977
1978	---	---	---	---	0.008	0.033	0.080	0.098	0.020	0.028	---	---	0.045	1978
1979	---	---	---	---	0.024	0.203	0.087	0.472	0.218	0.172	---	---	0.196	1979
1980	---	---	---	---	0.187	0.151	0.323	0.401	0.138	0.100	---	---	0.218	1980
1981	---	---	---	---	0.184	0.327	0.267	0.155	0.084	0.137	---	---	0.196	1981
1982	---	---	---	---	0.124	0.282	0.328	0.233	0.155	0.142	---	---	0.209	1982
1983	---	---	---	---	0.118	0.256	0.233	0.282	0.181	0.183	---	---	0.202	1983
1984	---	---	---	---	0.245	0.209	0.141	0.302	0.100	0.081	---	---	0.177	1984
1985	---	---	---	---	0.122	0.336	0.425	0.445	0.034	0.023	---	---	0.232	1985
1986	---	---	---	---	0.182	0.348	0.536	0.305	0.089	0.027	---	---	0.260	1986
MEAN	---	---	---	0.185	0.133	0.208	0.180	0.248	0.157	0.142	0.003	---	0.178	MEAN

LOCATION - LAT 50 25 50 N LONG 112 13 40 W DRAINAGE AREA, 86.8 km²
REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1986

COAL CREEK AT BOW CITY - STATION NO 05BN014

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1965	---	0.949 ON OCT 31	0 ON JUL 14 *	---	1965
1966	---	0.283 ON AUG 30	0 ON MAY 23	1 180	1966
1967	---	1.83 ON MAY 8	0.003 ON SEP 23	2 880	1967
1968	---	2.33 ON SEP 22 *	0.006 ON SEP 10	5 010	1968
1969	---	0.895 ON MAY 29	0.003 ON AUG 9	3 570	1969
1970	---	1.62 ON JUL 2	0.003 ON JUL 18	3 570	1970
1971	---	0.283 ON OCT 23	0.003 ON JUN 21	2 430	1971
1972	---	0.496 ON SEP 8	0.0088 ON MAY 1	2 480	1972
1973	---	0.572 ON JUN 17	0 ON MAY 9	2 870	1973
1974	---	0.436 ON OCT 19	0 ON MAY 11	2 430	1974
1975	---	0.830 ON MAY 7	0 ON MAY 17	2 380	1975
1976	---	0.343 ON AUG 8	0 ON MAY 1	1 320	1976
1977	---	0.297 ON AUG 14	0.002 ON OCT 28	1 370	1977
1978	---	0.515 ON AUG 23	0 ON MAY 21	707	1978
1979	---	0.818 ON AUG 10	0 ON MAY 28	3 110	1979
1980	---	0.887 ON JUL 28	0.002 ON MAY 12	3 480	1980
1981	---	0.750 ON JUN 15	0 ON MAY 1	3 110	1981
1982	---	0.725 ON JUN 7	0 ON MAY 1	3 320	1982
1983	---	0.852 ON AUG 15	0.002 ON MAY 10	3 210	1983
1984	0.844 AT 09 57 MST ON SEP 11 *	0.827 ON SEP 10	0 ON MAY 1	2 810	1984
1985	---	0.708 ON AUG 19	0 ON MAY 7	3 880	1985
1986	---	0.735 ON MAY 1	0 ON OCT 29	3 960	1986
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 800	MEAN

COAL CREEK NEAR ORION - STATION NO 05AF021

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1921	---	---	0.088	0.031	---	---	---	---	---	---	---	---	---	1921
MEAN	---	---	0.088	0.031	---	---	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 15 45 N LONG 110 51 10 W DRAINAGE AREA, 130 km²
NATURAL FLOW

COAL CREEK NEAR ORION - STATION NO 05AF021

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1921	---	0.282 ON MAR 22 *	0 ON MAR 1 *	---	1921
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

COLOUNDUN CREEK NEAR GRANDE PRAIRIE - STATION NO. 07CE004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1983	---	---	---	---	0.387	0.182	0.683	0.088	0	0	---	---	---	1983
1984	---	---	0.028	0.035	0.096	0.284	0.020	0.001	0.004	0.008	---	---	0.056	1984
1985	---	---	0.476	0.267	0.016	0.002	0.001	0.001	0.002	0.005	---	---	0.085	1985
1986	---	---	0.496	0.726	0.380	0.023	0.010	0	0	0	---	---	0.204	1986
MEAN	---	---	0.333	0.343	0.220	0.113	0.179	0.018	0.002	0.003	---	---	0.119	MEAN

LOCATION - LAT 55 17 07 N DRAINAGE AREA, 130 km²
LONG 119 08 43 W

COLOUNDUN CREEK NEAR GRANDE PRAIRIE - STATION NO. 07CE004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1983	23.8 AT 18 59 MST ON APR 18 *	13.9 ON APR 18 *	0. ON JUN 10 *	---	1983
1984	2.55 AT 03 00 MST ON JUN 8	2.30 ON JUN 8	0B ON MAR 1	1 190	1984
1985	3.25B ON MAR 19	3.18B ON MAR 19	0B ON MAR 1	2 040	1985
1986	14.2 B AT 19 00 MST ON MAR 27	4.88B ON MAR 28	0. ON MAY 19	4 320	1986
				2 520	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

COLUMBINE CREEK NEAR GLENDON - STATION NO. 05AA901

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1979	---	---	---	---	0.323	0.093	0.093	0.007	0.010	---	---	---	---	1979
1980	---	---	---	1.32	0.106	0.240	0.103	0.059	0.050	---	---	---	---	1980
1981	---	---	---	0.575	0.037	0.104	0.012	0.001	0.006	---	---	---	---	1981
1982	---	---	---	0.778	0.110	0.007	0.024	0.005	0.004	0.002	---	---	---	1982
MEAN	---	---	---	0.874	0.143	0.089	0.035	0.018	0.018	0.002	---	---	---	MEAN

LOCATION - LAT 54 21 15 N DRAINAGE AREA, 241 km² DATA CONTRIBUTED BY -
LONG 111 08 40 W NATURAL FLOW ALBERTA DEPARTMENT OF THE ENVIRONMENT

COLUMBINE CREEK NEAR GLENDON - STATION NO. 05AA901

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1979	9.80 AT 21 15 MST ON APR 24 *	9.23 ON APR 24 *	0. ON JUN 1 *	---	1979
1980	---	5.13B ON APR 12	0B ON APR 1	---	1980
1981	4.23 ON MAR 30	3.91B ON MAR 30	0. ON JUN 13	---	1981
1982	4.46 AT 07 59 MST ON APR 29	4.07B ON APR 29	0B ON APR 1	---	1982
				---	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

COLUMBINE CREEK NEAR THE MOUTH - STATION NO. 05AA004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	---	---	---	---	0.006	0.007	0.002	---	---	---	1982
1983	---	---	0.001	0.045	0.008	0.003	0.006	0.002	0.005	0.013	---	---	0.011	1983
1984	---	---	0.183	0.175	0.054	0.081	0.007	0.002	0.011	0.001	---	---	0.059	1984
1985	---	---	0.002	1.30	0.075	0.018	0.006	0.003	0.002	0.004	---	---	0.173	1985
1986	---	---	0.277	0.275	0.085	0.004	0.004	0.010	0.003	0.014	---	---	0.082	1986
MEAN	---	---	0.111	0.449	0.051	0.022	0.006	0.005	0.006	0.007	---	---	0.081	MEAN

LOCATION - LAT 54 21 21 N DRAINAGE AREA, 241 km² DATA CONTRIBUTED BY -
LONG 111 08 22 W NATURAL FLOW ALBERTA DEPARTMENT OF THE ENVIRONMENT

COLUMBINE CREEK NEAR THE MOUTH - STATION NO. 05AA004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1982	---	---	---	---	1982
1983	---	0.1298 ON APR 10	0.0018 ON MAR 1	225	1983
1984	---	1.70 B ON MAR 28	0.0018 ON MAR 1	1 250	1984
1985	9.00B AT 04 25 MST ON APR 3 *	5.31 B ON APR 3 *	0.0018 ON MAR 1	3 670	1985
1986	1.89 AT 03 50 MST ON MAR 31	1.51 B ON APR 1	0 B ON MAR 1 *	1 730	1986
				1 720	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

CONJURING CREEK NEAR WIZARD LAKE - STATION NO 05DF002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1924	---	---	---	---	---	---	---	---	---	0.008	---	---	---	1924
1925	---	---	---	0.422	0.106	0.103	0.031	0.012	0.013	0.012	---	---	---	1925
1926	---	---	0.105	0.177	0.075	0.106	0.017	0.016	0.150	0.097	---	---	---	1926
1927	---	---	0	0.473	0.852	0.176	0.423	0.107	0.004	---	---	---	0.090	1927
1928	---	---	---	0.040	0.040	0.022	0.052	0.033	0.009	0.012	---	---	---	1928
1929	---	---	---	0.015	0.049	0.035	0.003	0	---	---	---	---	---	1929
1931	---	---	---	0	0	---	---	---	---	---	---	---	---	1931
MEAN	---	---	0.053	0.188	0.204	0.088	0.105	0.034	0.044	0.027	---	---	0.090	MEAN

LOCATION - LAT 53 06 25 N
LONG 113 49 30 W
DRAINAGE AREA 49.0 km²
NATURAL FLOW

CONJURING CREEK NEAR WIZARD LAKE - STATION NO 05DF002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1924	---	---	---	---	1924
1925	---	---	---	---	1925
1926	---	1.27 ON APR 12	0B ON APR 1 *	---	1926
1927	---	0.2948 ON MAR 17	0B ON MAR 1	1.900	1927
1928	---	1.80 ON MAY 5 *	0B ON MAR 1	---	1928
1929	---	0.078 ON JUL 22	0 ON SEP 30	---	1929
1931	---	0.055 ON APR 28	0B ON APR 1	---	1931
		---	0 ON APR 1	---	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

1.900

CONNELLY CREEK NEAR LUNDBRECK - STATION NO 05AA007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	0.133	0.055	0.032	---	---	---	1909
MEAN	---	---	---	---	---	---	---	0.133	0.055	0.032	---	---	---	MEAN

LOCATION - LAT 49 35 50 N
LONG 114 08 15 W
DRAINAGE AREA 51.5 km²
NATURAL FLOW

CONNOR CREEK NEAR ROCHFORT BRIDGE - STATION NO 07BB010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	0	0.328	---	---	---	---	---	---	---	---	---	1975
1976	---	---	0.014	---	---	---	---	---	---	---	---	---	---	1976
1977	---	---	0.016	0.784	0.717	---	---	---	---	---	---	---	---	1977
1978	---	---	0.403	0.285	---	---	---	---	---	---	---	---	---	1978
1979	---	---	0.351	0.931	0.341	0.591	0.532	---	---	---	---	---	---	1979
MEAN	---	---	0.157	0.577	0.528	0.591	0.532	---	---	---	---	---	---	MEAN

LOCATION - LAT 54 02 53 N
LONG 115 02 31 W
DRAINAGE AREA 64.5 km²
NATURAL FLOW

CONNOR CREEK NEAR ROCHFORT BRIDGE - STATION NO 07BB010

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1975	---	---	0B ON MAR 1 *	---	1975
1976	---	---	---	---	1976
1977	---	---	---	---	1977
1978	---	---	---	---	1978
1979	---	5.15 ON JUL 12 *	0B ON FEB 25	---	1979
				---	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

CONNOR CREEK NEAR SANGUDO - STATION NO. 07BB005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	0.074	0.003	0.003	---	---	---	1972
1973	---	---	0.107	0.806	0.336	0.746	0.088	0.024	0.033	0.091	---	---	0.251	1973
1980	---	---	0.015	2.02	0.156	0.534	0.294	0.344	0.031	0.003	---	---	0.419	1980
1981	---	---	1.08	0.709	0.187	0.078	0.007	0.021	0.001	0.001	---	---	0.260	1981
1982	---	---	0	2.86	0.448	0.170	0.372	0.030	0	0	---	---	0.491	1982
1983	---	---	0	0.587	0.023	0.084	0.843	0.122	0.074	0.001	---	---	0.189	1983
1984	---	---	0.122	0.048	0.010	0.274	0.004	0	0	0	---	---	0.057	1984
1985	---	---	0.680	1.15	0.072	0.700	0.071	0.008	0.005	0.012	---	---	0.359	1985
1986	---	---	1.70	1.63	0.318	0.054	0.044	0.042	0	0	---	---	0.480	1986
MEAN	---	---	0.488	1.30	0.194	0.328	0.190	0.074	0.018	0.012	---	---	0.311	MEAN

LOCATION - LAT 54 01 23 N, LONG 114 56 39 W. DRAINAGE AREA, 165 km². NATURAL FLOW

CONNOR CREEK NEAR SANGUDO - STATION NO. 07BB005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1972	---	---	0 ON SEP 15 *	---	1972
1973	---	2.40 ON JUN 27	0B ON MAR 1	5 310	1973
1980	5.52 AT 06 00 MST ON APR 11	5.43 ON APR 11	0B ON MAR 1	8 870	1980
1981	4.52 AT 16 00 MST ON MAR 16	4.28B ON MAR 16	0 ON JUL 12	5 500	1981
1982	14.7 AT 08 25 MST ON APR 24 *	14.5 ON APR 24 *	0B ON MAR 1	10 400	1982
1983	2.38 AT 04 00 MST ON APR 8	2.29B ON APR 8	0B ON MAR 1	3 880	1983
1984	2.61 AT 00 50 MST ON JUN 10	2.38 ON JUN 10	0B ON MAR 1	1 200	1984
1985	5.73 AT 23 10 MST ON JUN 25	5.13 ON JUN 26	0B ON MAR 1	7 800	1985
1986	4.81B AT 06 20 MST ON MAR 29	4.68B ON MAR 29	0 ON AUG 21	9 730	1986
				6 580	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

COOKING LAKE CREEK NEAR NORTH COOKING LAKE - STATION NO. 05EB005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1920	---	---	---	---	0.004	---	---	0	---	---	---	---	---	1920
1922	---	---	---	0	0	0	0	0	0	0	0	---	---	1922
MEAN	---	---	---	0	0.002	0	0	0	0	0	0	---	---	MEAN

LOCATION - LAT 53 26 30 N, LONG 112 56 20 W. DRAINAGE AREA, 195 km². NATURAL FLOW

COOKING LAKE CREEK NEAR NORTH COOKING LAKE - STATION NO. 05EB005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1920	---	---	0 ON AUG 1 *	---	1920
1922	---	0.004 ON APR 15 *	0 ON APR 1	---	1922
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

COTTONWOOD CREEK NEAR TWIN BUTTE - STATION NO. 05AD803

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	---	0.289	0.455	0.093	0.057	0.065	0.064	---	---	0.171	1982
1983	---	---	---	---	0.202	0.078	0.020	0.012	0.029	---	---	---	---	1983
1984	---	---	---	0.097	0.065	0.053	0.008	0	0	0	---	---	0.021	1984
1985	---	---	---	0.211	0.104	0.080	0.009	0.020	---	---	---	---	---	1985
1986	---	---	0.326	0.369	0.802	0.213	0.064	0.043	0.180	0.298	---	---	0.231	1986
MEAN	---	---	0.326	0.226	0.255	0.176	0.039	0.026	0.084	0.121	---	---	0.141	MEAN

LOCATION - LAT 49 08 35 N, LONG 113 50 50 W. DRAINAGE AREA, 34.2 km². NATURAL FLOW

DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

COTTONWOOD CREEK NEAR TWIN BUTTE - STATION NO 05AD903

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	1.85 AT 05 10 MST ON MAY 31 *	1.48 ON MAY 31 *	0.045 ON SEP 9	2 720	1982
1983	0.530 AT 23 25 MST ON MAY 17	0.439 ON MAY 17	---	---	1983
1984	---	0.221 ON JUN 22	0 ON JUL 11 *	337	1984
1985	---	---	0 ON JUL 7	---	1985
1986	---	1.30 ON MAY 8	0.028 ON AUG 19	3 850	1986
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 240	MEAN

COTTONWOOD CREEK NEAR TWIN BUTTE - STATION NO 05AD012

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1923	---	---	---	---	---	---	---	0.299	0.155	0.159	---	---	---	1923
1924	---	---	0.023	0.302	0.267	1.28	0.184	0.330	0.116	0.192	---	---	0.328	1924
1925	---	---	---	---	0.542	0.422	0.082	0.080	0.131	0.300	---	---	---	1925
1926	---	---	0.106	0.258	0.120	0.165	0.073	0.070	0.259	---	---	---	0.184	1926
1927	---	---	0.027	0.801	2.36	2.52	0.457	0.485	0.570	0.953	---	---	0.995	1927
1928	---	---	0.853	0.847	0.678	1.08	1.14	0.295	0.176	0.228	---	---	0.611	1928
1929	---	---	0.187	0.570	1.18	0.791	0.110	0.088	0.106	0.104	---	---	0.385	1929
1930	---	---	0.117	0.852	0.883	0.448	0.135	0.075	0.078	0.124	---	---	0.313	1930
1931	---	---	0.044	---	---	---	---	---	---	---	---	---	---	1931
MEAN	---	---	0.182	0.505	0.860	0.955	0.320	0.210	0.200	0.285	---	---	0.488	MEAN

LOCATION - LAT 49 08 20 N, LONG 113 51 10 W. DRAINAGE AREA, 34.2 km^2. NATURAL FLOW

COTTONWOOD CREEK NEAR TWIN BUTTE - STATION NO 05AD012

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1923	---	---	---	---	1923
1924	---	3.91 ON JUN 7	0.0148 ON MAR 1	8 940	1924
1925	---	1.61 ON MAY 24	---	---	1925
1926	---	1.30 ON JUN 21	0.037 ON JUN 10	3 480	1926
1927	---	6.43 ON MAY 29 *	0 B ON MAR 23 *	21 100	1927
1928	---	5.32 ON JUL 1	0.0178 ON MAR 1	12 900	1928
1929	---	2.97 ON JUN 3	0 B ON MAR 1	8 160	1929
1930	---	2.35 ON MAY 13	0.0088 ON MAR 2	6 530	1930
1931	---	0.122E ON MAR 31	0.014 ON MAR 8	---	1931
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		9 870	MEAN

COW CREEK NEAR COWLEY - STATION NO 05AA005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	0.352	0.130	0.100	---	---	---	1909
1910	---	---	---	---	---	0.108	0.028	0.010	0.019	0.029	---	---	---	1910
1911	---	---	---	---	0.789	0.426	0.075	0.210	0.300	0.182	---	---	---	1911
1912	---	---	---	---	0.336	0.251	0.234	0.138	0.085	0.101	---	---	---	1912
1913	---	---	---	---	0.570	0.482	0.141	0.081	0.041	0.045	---	---	---	1913
1914	---	---	---	0.484	0.372	0.275	0.121	0.054	0.050	0.110	---	---	---	1914
1915	---	---	---	0.255	0.890	1.05	0.587	0.176	0.100	0.122	---	---	---	1915
1916	---	---	---	0.389	0.557	0.842	0.491	0.155	0.142	0.110	---	---	---	1916
MEAN	---	---	---	0.378	0.585	0.491	0.240	0.145	0.110	0.100	---	---	---	MEAN

LOCATION - LAT 49 39 18 N, LONG 114 09 28 W. DRAINAGE AREA, 82.1 km^2. NATURAL FLOW

COW CREEK NEAR COWLEY - STATION NO 05AA005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	---	---	---	1910
1911	---	3.99 ON MAY 16 *	---	---	1911
1912	---	1.27 ON APR 11	---	---	1912
1913	---	---	---	---	1913
1914	---	1.27 ON APR 12	---	---	1914
1915	---	3.82 ON JUN 28	---	---	1915
1916	---	1.81 ON JUL 2	---	---	1916
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD	---		MEAN

COYOTE CREEK NEAR CHERHILL - STATION NO. 07BB014

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	---	---	---	---	0.001	0.017	0	0.001	---	---	---	1981
1982	---	---	0	0.889	0.136	0.008	0.225	0.001	0.003	0.001	---	---	0.157	1982
1983	---	---	0.002	0.113	0.004	0.040	0.339	0.006	0	0	---	---	0.063	1983
1984	---	---	0.107	0.009	0.005	0.134	0.010	0	0.001	0.001	---	---	0.033	1984
1985	---	---	0.129	0.850	0.100	0.126	0.007	0	0	0	---	---	0.149	1985
1986	---	---	0.585	0.187	0.102	0.004	0.744	0.019	0.001	0.017	---	---	0.206	1986
MEAN	---	---	0.185	0.406	0.069	0.062	0.221	0.007	0.001	0.003	---	---	0.122	MEAN

LOCATION - LAT. 53 52 22 N
LONG 114 40 10 W

DRAINAGE AREA 57.8 km²
NATURAL FLOW

COYOTE CREEK NEAR CHERHILL - STATION NO. 07BB014

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	---	---	---	---	1981
1982	6.37 AT 16 40 MST ON APR 23	5.99 ON APR 23	0B ON MAR 1 *	3 330	1982
1983	1.38 AT 04 20 MST ON JUL 19	1.19 ON JUL 19	0B ON MAR 1	1 340	1983
1984	0.755 AT 14 00 MST ON JUN 10	0.734 ON JUN 10	0B ON MAR 1	704	1984
1985	4.84 AT 12 20 MST ON APR 3	3.41 B ON APR 3	0B ON MAR 1	3 160	1985
1986	7.12 AT 21 49 MST ON JUL 18 *	5.17 ON JUL 19 *	0 ON JUN 23	4 350	1986
				2 580	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

CROOKED CREEK NEAR WATERTON PARK - STATION NO. 05AD004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	---	0.033	0.018	0.411	0.553	---	---	---	1910
1911	---	---	---	---	---	1.02	0.432	1.25	2.85	0.814	---	---	---	1911
1912	---	---	---	0.877	0.854	0.402	0.536	0.151	---	---	0.284	---	---	1912
1913	---	---	---	---	---	1.02	0.404	0.293	0.129	0.293	---	---	---	1913
1914	---	---	---	---	0.989	0.751	0.245	0.132	0.171	0.843	---	---	---	1914
1915	---	---	---	0.506	1.30	2.56	1.72	1.24	1.07	---	---	---	---	1915
1916	---	---	---	1.25	1.52	2.58	1.51	0.273	0.271	0.287	---	---	---	1916
1917	---	---	---	---	2.95	2.67	0.405	0.086	0.091	0.087	---	---	---	1917
1918	---	---	---	---	0.815	0.477	0.107	0.084	0.140	0.121	---	---	---	1918
1919	---	---	0.005	0.350	0.426	0.282	0.053	0.008	0.001	0.023	---	---	---	1919
1920	---	---	0.158	0.575	1.91	1.17	0.495	0.089	0.030	0.047	---	---	---	1920
1921	---	---	---	0.848	0.981	0.852	0.206	0.023	0.021	0.066	---	---	---	1921
1922	---	---	0.026	0.653	1.51	0.998	0.388	0.083	0.016	0.010	---	---	---	1922
1923	---	---	---	0.832	0.717	2.21	0.350	0.421	0.065	0.152	---	---	---	1923
1924	---	---	0.081	0.482	0.626	2.51	0.243	0.297	0.068	0.130	---	---	---	1924
MEAN	---	---	0.063	0.669	1.22	1.38	0.482	0.296	0.381	0.247	0.284	---	---	MEAN

LOCATION - LAT. 49 07 45 N
LONG 113 46 40 W

DRAINAGE AREA 49.0 km²
NATURAL FLOW

CROOKED CREEK NEAR WATERTON PARK - STATION NO. 05AD004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	---	0 ON JUL 25 *	---	1910
1911	---	---	---	---	1911
1912	---	---	---	---	1912
1913	---	3.60 ON JUN 28	---	---	1913
1914	---	2.18 ON OCT 18	---	---	1914
1915	---	10.5 ON AUG 20 *	---	---	1915
1916	---	6.88 ON APR 2	---	---	1916
1917	---	5.66 E ON MAY 25	---	---	1917
1918	---	0.963 ON MAY 16	---	---	1918
1919	---	1.02 ON MAY 9	0 ON AUG 21	---	1919
1920	---	4.02 ON MAY 13	---	---	1920
1921	---	2.58 ON JUN 2	0 ON SEP 1	---	1921
1922	---	2.72 ON MAY 30	0B ON MAR 1	---	1922
1923	---	6.84 ON JUN 22	---	---	1923
1924	---	8.58 ON JUN 8	---	---	1924
				---	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

CROWFOOT CREEK NEAR CLUNY - STATION NO 05BM008

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1951	---	---	---	---	---	---	2.35	1.81	3.00	---	---	---	---	1951
1952	---	---	---	---	---	3.09	2.10	1.82	2.21	1.07	---	---	---	1952
1953	---	---	---	---	0.949	10.5	2.25	2.09	2.41	0.895	---	---	---	1953
1954	---	---	---	---	1.12	2.15	2.09	2.50	2.84	0.824	---	---	---	1954
1955	---	---	---	---	1.26	1.72	2.00	1.80	2.34	0.806	---	---	---	1955
1956	---	---	---	---	0.588	2.88	2.19	1.97	1.73	0.559	---	---	---	1956
1957	---	---	---	---	1.10	1.80	1.73	2.24	1.88	0.830	---	---	---	1957
1958	---	---	---	---	0.888	1.71	1.70	1.25	1.29	0.525	---	---	---	1958
1959	---	---	---	---	0.438	1.59	1.70	1.53	1.35	0.521	---	---	---	1959
1960	---	---	---	---	0.740	1.22	1.09	1.15	1.53	0.298	---	---	---	1960
1961	---	---	---	---	0.858	1.07	1.12	1.29	1.18	0.385	---	---	---	1961
1962	---	---	---	---	0.738	1.27	1.79	1.89	2.04	0.891	0.020	0.006	---	1962
1963	0	---	---	---	0.710	1.81	1.40	1.13	1.14	0.545	0.030	0.004	---	1963
1964	0	0	0.003	0.278	0.543	2.34	0.981	1.28	1.79	0.898	0.054	0.009	0.585	1964
1965	0	0	2.55	8.07	1.01	2.13	2.19	1.80	1.35	0.323	0.025	0.020	2.13	1965
1966	0	0	5.88	1.98	0.590	1.27	5.21	0.975	1.11	0.842	0.023	0.027	2.48	1966
1967	0.025	0.012	0.070	14.9	2.28	0.830	0.848	1.13	1.11	0.729	0.044	0.018	2.70	1967
1968	0.003	0.012	0.315	0.287	1.08	1.87	1.51	1.14	1.28	0.480	0.059	0.010	0.589	1968
1969	0	0	0.056	13.1	0.424	1.10	1.06	0.799	0.904	0.290	---	---	2.18	1969
1970	---	---	2.28	0.843	0.575	2.09	1.83	0.827	1.08	0.549	---	---	1.23	1970
1971	---	---	1.01	19.7	0.547	1.22	1.17	0.900	0.917	0.271	---	---	3.17	1971
1972	---	---	1.48	0.579	0.719	1.21	1.00	1.16	1.04	0.440	---	---	0.853	1972
1973	---	---	3.06	1.85	0.732	1.82	0.888	1.26	1.19	0.244	---	---	1.38	1973
1974	---	---	0.015	10.5	1.50	1.09	1.11	0.906	1.01	0.201	---	---	2.02	1974
1975	---	---	0	1.78	2.50	1.09	1.12	1.41	1.53	0.435	---	---	1.23	1975
1976	---	---	2.84	1.77	0.638	1.33	0.720	1.98	1.42	0.400	---	---	1.38	1976
1977	---	---	0.125	0.153	0.778	0.781	0.733	1.12	1.06	0.312	---	---	0.833	1977
1978	---	---	0.425	2.43	1.24	1.77	0.709	1.38	1.85	0.387	---	---	1.27	1978
1979	---	---	0.870	0.180	0.238	0.698	0.771	1.52	0.864	0.147	---	---	0.643	1979
1980	---	---	0.159	8.36	0.750	1.91	1.32	1.75	1.51	0.383	0.038	---	1.89	1980
1981	---	---	0.225	0.182	1.83	1.41	2.38	0.987	0.885	0.350	---	---	1.03	1981
1982	---	---	1.26	2.58	0.455	0.846	1.95	0.985	1.25	0.375	---	---	1.21	1982
1983	---	---	0.507	0.330	0.524	0.854	1.33	0.724	0.866	0.277	---	---	0.852	1983
1984	---	---	0.334	0.186	0.972	1.35	0.709	1.80	1.88	0.440	0.088	---	0.855	1984
1985	---	0.018	4.33	1.03	0.775	1.20	0.899	1.78	1.66	0.295	0.043	---	1.50	1985
1986	---	0.037	0.346	0.051	0.857	0.786	1.54	1.08	2.39	0.821	---	---	0.955	1986
MEAN	0.004	0.010	1.25	3.87	0.897	1.75	1.56	1.41	1.52	0.489	0.040	0.013	1.45	MEAN

LOCATION - LAT 50 50 00 N DRAINAGE AREA 1 380 km²
LONG 112 45 40 W REGULATED SINCE 1914

CROWFOOT CREEK NEAR CLUNY - STATION NO 05BM008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1951	---	---	---	---	1951
1952	---	---	---	---	1952
1953	---	---	---	---	1953
1954	---	---	---	---	1954
1955	---	---	---	---	1955
1956	---	---	---	---	1956
1957	---	---	---	---	1957
1958	---	---	---	---	1958
1959	---	---	---	---	1959
1960	---	---	---	---	1960
1961	---	---	---	---	1961
1962	---	---	---	---	1962
1963	---	---	---	---	1963
1964	11.2 AT 20:00 MST ON JUN 27	10.6 ON JUN 21	0 B ON MAR 1 *	20 900	1964
1965	---	30.9 B ON APR 7	0 B ON MAR 28	45 000	1965
1966	52.1 E ON JUL 3	39.6 E ON JUL 3	0 B ON MAR 1	52 500	1966
1967	85.5 B AT 15:00 MST ON APR 13	58.3 B ON APR 13	0 B ON MAR 6	57 100	1967
1968	4.78 AT 14:45 MST ON SEP 25	4.50 ON SEP 25	0.074 ON OCT 30	20 500	1968
1969	---	88.6 B ON APR 6 *	0 B ON MAR 1	46 200	1969
1970	23.9 B AT 07:50 MST ON MAR 25	14.6 B ON MAR 25	0 B ON MAR 1	26 000	1970
1971	108 AT 01:30 MST ON APR 8 *	81.3 ON APR 8	0.0038 ON MAR 1	87 100	1971
1972	---	7.198 ON MAR 26	0 B ON MAR 1	20 200	1972
1973	16.8 B AT 11:00 MST ON MAR 25	13.8 B ON MAR 25	0.0288 ON MAR 1	28 800	1973
1974	85.5 B AT 07:30 MST ON APR 12	82.3 B ON APR 12	0.0038 ON MAR 7	42 700	1974
1975	19.3 B AT 14:30 MST ON APR 23	16.5 B ON APR 23	0 B ON MAR 1	26 000	1975
1976	---	11.1 B ON APR 1	0.0288 ON MAR 1	28 800	1976
1977	2.00 AT 12:00 MST ON JUN 1	1.91 ON JUN 1	0 ON APR 28	13 400	1977
1978	20.3 B AT 15:00 MST ON APR 1	18.8 B ON APR 1	0.0038 ON MAR 1	36 900	1978
1979	2.678 AT 06:00 MST ON MAR 12	2.508 ON MAR 12	0 B ON MAR 1	13 800	1979
1980	78.0 AT 22:30 MST ON APR 13	58.6 ON APR 14	0 B ON MAR 1	42 200	1980
1981	4.84 AT 03:30 MST ON JUL 25	4.62 ON JUL 25	0.021 ON OCT 23	21 800	1981
1982	15.1 B AT 22:59 MST ON MAR 31	12.1 B ON APR 1	0 B ON MAR 1	25 500	1982
1983	3.888 AT 14:28 MST ON MAR 13	3.288 ON MAR 13	0.002 ON OCT 27	13 800	1983
1984	3.33 AT 19:52 MST ON SEP 26	3.21 ON SEP 26	0.004 ON MAR 17	20 200	1984
1985	27.8 B AT 10:33 MST ON MAR 21	23.7 B ON MAR 21	0 B ON MAR 4	31 700	1985
1986	11.2 AT 17:08 MST ON SEP 29	10.6 ON SEP 29	0.003 ON APR 22	20 200	1986
				30 900	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CROWSNEST RIVER AT FRANK - STATION NO. 05AA005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	---	---	3.08	3.18	5.95	---	---	---	1910
1911	1.42	1.31	1.85	5.33	18.2	24.2	8.41	6.22	8.67	3.96	1.94	1.78	7.02	1911
1912	1.30	1.17	1.05	5.50	11.1	10.5	10.2	4.45	2.70	2.12	2.14	1.53	4.49	1912
1913	1.49	1.17	1.01	7.14	13.3	16.3	7.39	5.04	3.41	3.13	2.40	1.45	5.28	1913
1914	1.82	1.38	1.48	6.75	13.7	11.1	6.88	3.96	3.50	6.21	4.81	2.77	5.37	1914
1915	1.91	1.51	1.48	6.65	15.8	12.7	9.40	4.89	2.88	2.86	2.33	1.54	5.35	1915
1916	1.53	1.77	2.93	8.44	14.0	25.6	14.8	5.09	3.46	2.27	1.85	1.35	6.81	1916
1917	1.28	1.24	1.05	1.18	18.8	17.9	6.81	3.51	2.41	1.89	1.35	1.10	4.88	1917
1918	1.63	1.17	1.33	6.68	12.4	13.9	4.86	2.99	2.29	2.51	1.84	1.41	4.42	1918
1919	1.59	1.23	1.30	6.15	15.1	10.5	4.46	1.94	1.46	1.34	1.12	0.736	3.92	1919
1920	0.844	0.975	0.987	---	---	---	---	---	---	---	---	---	---	1920
1948	---	---	---	---	---	---	8.66	2.25	1.67	1.88	1.58	---	---	1948
1950	---	---	1.41	3.49	17.5	20.2	9.33	3.59	2.31	2.73	---	---	---	1950
1951	---	---	---	8.27	29.6	16.7	11.9	6.41	8.84	7.42	---	---	---	1951
1952	---	---	1.72	10.8	12.1	9.50	5.78	3.28	2.17	1.85	---	---	---	1952
1953	---	---	1.13	2.81	17.1	31.5	10.6	4.81	2.86	2.29	---	---	---	1953
1954	---	---	1.10	2.41	25.8	24.1	12.1	5.36	4.28	3.45	---	---	---	1954
1955	---	---	1.43	2.08	10.0	17.2	8.82	3.63	2.41	2.79	---	---	---	1955
1956	---	---	1.83	5.21	24.5	17.5	9.57	4.14	2.85	2.38	---	---	---	1956
1957	---	---	1.53	2.98	19.3	9.56	4.28	2.34	1.84	1.83	---	---	---	1957
1958	---	---	1.25	2.04	16.8	9.55	6.22	2.86	2.10	1.97	---	---	---	1958
1959	---	---	1.25	5.07	20.0	23.6	10.1	4.65	4.78	4.41	---	---	---	1959
1960	---	---	2.54	5.95	11.9	12.7	5.84	3.74	2.44	1.71	---	---	---	1960
1961	---	---	1.33	2.29	22.1	19.1	6.00	3.17	2.51	3.19	---	---	---	1961
1962	---	---	1.28	5.95	10.4	10.9	4.85	2.81	2.24	1.94	---	---	---	1962
1963	---	---	1.38	2.33	8.65	13.0	13.1	3.78	2.89	2.49	---	---	---	1963
1964	---	---	1.27	2.33	16.7	22.5	8.35	3.88	2.82	2.49	1.83	1.34	---	1964
1965	1.27	1.25	1.41	4.15	13.8	20.5	9.28	5.47	4.15	3.38	2.03	1.40	5.89	1965
1966	1.28	1.30	1.97	5.23	16.9	15.4	7.07	4.02	2.87	2.10	1.78	1.41	5.15	1966
1967	1.15	1.24	1.30	2.04	18.9	28.7	10.3	4.03	2.80	2.01	1.82	1.85	6.32	1967
1968	1.55	1.40	1.55	1.88	14.8	16.4	6.91	3.92	3.44	3.68	2.45	1.79	4.89	1968
1969	1.92	1.42	1.46	7.77	15.0	18.2	9.51	3.34	2.21	1.82	1.37	1.09	5.27	1969
1970	1.02	0.959	0.885	0.928	11.5	14.0	5.43	2.51	2.08	1.89	1.37	1.45	3.89	1970
1971	1.08	1.40	1.09	3.40	22.2	17.5	7.78	3.56	2.79	2.32	1.88	1.48	5.56	1971
1972	1.28	1.23	2.38	4.97	26.3	27.6	9.66	5.87	3.80	2.83	2.31	1.89	7.78	1972
1973	1.47	1.38	1.39	1.78	8.95	10.4	4.37	2.51	1.93	1.33	1.27	1.09	3.25	1973
1974	1.68	1.26	1.48	5.34	22.5	28.3	10.6	5.14	3.20	2.26	1.78	1.52	7.11	1974
1975	1.26	1.05	1.10	1.80	14.1	24.1	11.4	4.70	3.19	2.51	2.85	3.88	5.95	1975
1976	2.35	1.75	1.83	4.81	16.0	8.48	6.85	12.2	4.35	3.08	2.33	1.44	5.58	1976
1977	1.39	1.31	1.26	2.44	5.05	4.70	2.41	2.61	2.79	1.93	1.50	1.39	2.40	1977
1978	0.882	0.955	1.27	2.85	13.1	12.7	9.45	3.99	3.05	2.34	2.01	1.80	4.54	1978
1979	1.10	1.05	1.24	2.16	14.6	11.5	4.55	2.55	1.89	1.48	1.11	1.23	3.72	1979
1980	1.10	1.08	1.06	4.85	13.0	9.48	4.17	2.47	2.49	1.92	1.80	2.03	3.78	1980
1981	2.13	1.79	1.70	3.74	21.5	15.6	8.81	4.21	2.39	2.02	1.49	1.52	5.81	1981
1982	1.13	1.45	1.24	1.81	9.42	12.5	6.32	3.01	2.26	2.24	1.69	1.40	3.72	1982
1983	1.29	1.17	1.27	2.97	8.55	8.44	6.00	2.79	1.81	1.48	1.67	1.25	3.24	1983
1984	1.81	1.21	1.11	2.16	5.71	9.83	5.19	2.73	1.84	1.89	1.41	1.15	3.03	1984
1985	1.00	0.698	0.942	2.68	8.82	7.73	3.53	2.67	3.54	3.88	3.21	2.24	3.41	1985
1986	1.89	2.39	4.42	7.15	14.4	13.2	5.10	2.72	2.58	3.38	2.80	2.15	5.19	1986
MEAN	1.43	1.30	1.50	4.26	15.5	15.8	7.60	3.92	3.00	2.88	1.97	1.59	4.82	MEAN

LOCATION - LAT 49 35 48 N DRAINAGE AREA 402 km²
LONG 114 24 33 W NATURAL FLOW

CROWSNEST RIVER AT FRANK - STATION NO. 05AA008

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	---	---	---	1910
1911	---	39.4 ON JUN 2	1.02 ON NOV 13	221 000	1911
1912	---	20.1 ON JUN 15	0.934 ON FEB 19	142 000	1912
1913	---	25.1 ON MAY 29	0.765 ON MAR 19	187 000	1913
1914	---	17.4 ON MAY 3	1.19 ON MAR 6	189 000	1914
1915	---	34.8 ON MAY 2	0.934 ON DEC 18	189 000	1915
1916	---	47.5 ON JUN 20	1.08 ON FEB 8	218 000	1916
1917	---	46.4 ON MAY 15	0.595 ON MAR 29	154 000	1917
1918	---	24.4 ON JUN 11	0.983 ON DEC 25	139 000	1918
1919	---	25.5 ON MAY 29	0.595 ON DEC 10	124 000	1919
1920	---	1.64 ON FEB 1	0.680 ON JAN 22	---	1920
1949	---	---	---	---	1949
1950	28.7 AT 23 00 MST ON MAY 27	28.6 ON MAY 22	---	---	1950
1951	47.0 AT 17 00 MST ON MAY 14	44.7 ON MAY 14	---	---	1951
1952	27.1 AT 22 00 MST ON APR 26	25.7 ON APR 27	---	---	1952
1953	73.9 AT 00 30 MST ON JUN 9 *	65.7 ON JUN 9 *	---	---	1953
1954	85.1 AT 23 00 MST ON MAY 19	58.9 ON MAY 20	---	---	1954
1955	25.8 AT 23 00 MST ON MAY 18	22.7 ON JUN 13	---	---	1955
1956	57.2 AT 22 00 MST ON MAY 20	54.1 ON MAY 21	---	---	1956
1957	31.7 AT 20 00 MST ON MAY 5	28.6 ON MAY 5	---	---	1957
1958	30.6 AT 20 00 MST ON MAY 12	25.9 ON MAY 13	---	---	1958
1959	37.1 AT 20 00 MST ON JUN 5	36.0 ON JUN 5	---	---	1959
1960	25.2 AT 02 00 MST ON MAY 13	24.0 ON MAY 13	---	---	1960
1961	62.9 AT 01 00 MST ON MAY 27	58.0 ON MAY 27	---	---	1961
1962	17.0 AT 23 00 MST ON APR 24	15.5 ON MAY 24	---	---	1962
1963	28.2 AT 18 00 MST ON JUN 30	28.6 ON JUN 30	---	---	1963
1964	50.4 AT 20 00 MST ON JUN 7	47.6 ON JUN 8	---	---	1964
1965	70.8 AT 01 00 MST ON JUN 18	59.7 ON JUN 18	0.7938 ON JAN 7	179 000	1965
1966	30.9 AT 22 00 MST ON MAY 11	27.2 ON JUN 5	1.25 B ON DEC 31	162 000	1966
1967	---	47.0 ON MAY 31	1.12 B ON JAN 11	195 000	1967
1968	---	44.7 ON MAY 23	1.16 B ON DEC 29	158 000	1968
1969	28.7 AT 09 00 MST ON JUN 26	28.9 ON JUN 29	1.03 B ON DEC 17	165 000	1969
1970	20.5 AT 22 30 MST ON MAY 23	19.7 E ON MAY 24	0.8948 ON APR 4	116 000	1970
1971	35.1 AT 20 00 MST ON MAY 27	34.0 ON MAY 28	0.8958 ON JAN 7	178 000	1971
1972	82.6 AT 21 40 MST ON MAY 31	59.7 ON JUN 1	1.20 B ON JAN 20	248 000	1972
1973	21.3 AT 23 00 MST ON JUN 8	19.8 ON MAY 18	0.8528 ON DEC 24	103 000	1973
1974	40.8 AT 21 00 MST ON MAY 26	38.8 A ON JUN 17	1.02 B ON JAN 1	224 000	1974
1975	53.5 E AT 20 00 MST ON JUN 19	48.7 ON JUN 20	0.8818 ON FEB 26	188 000	1975
1976	33.7 AT 15 00 MST ON AUG 8	27.7 ON AUG 9	0.9948 ON DEC 29	176 000	1976
1977	7.79 AT 08 30 MST ON MAY 11	7.36 ON MAY 11	1.09 B ON DEC 20	75 800	1977
1978	22.3 AT 05 30 MST ON JUN 6	21.9 ON JUN 6	0.8868 ON JAN 10	143 000	1978
1979	33.2 AT 01 30 MST ON MAY 27	30.1 ON MAY 27	0.7388 ON NOV 30	117 000	1979
1980	23.6 AT 04 25 MST ON APR 30	21.7 ON APR 30	0.8478 ON FEB 16	120 000	1980
1981	43.1 AT 23 40 MST ON MAY 25	41.6 ON MAY 26	1.03 ON NOV 28	177 000	1981
1982	---	16.6 E ON MAY 26	1.02 B ON JAN 21	117 000	1982
1983	15.6 AT 04 25 MST ON MAY 27	15.1 ON MAY 27	0.9208 ON FEB 3	102 000	1983
1984	13.8 AT 08 18 MST ON MAY 31	13.2 ON MAY 31	0.887 ON DEC 5	95 700	1984
1985	16.5 AT 21 35 MST ON MAY 24	14.6 ON JUN 8	0.5238 ON FEB 9 *	108 000	1985
1986	34.8 AT 00 55 MST ON MAY 29	34.1 ON MAY 29	1.20 B ON FEB 16	164 000	1986
				155 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CROWSNEST RIVER NEAR COLEMAN - STATION NO. 05AA009

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	---	---	2.72	2.81	3.34	---	---	---	1910
1911	---	---	---	1.76	7.18	13.5	6.57	4.04	4.37	1.96	2.51	0.986	---	1911
1912	1.05	0.894	0.846	1.34	3.62	5.28	5.37	2.78	2.00	1.62	1.77	1.15	2.31	1912
1913	0.793	0.685	0.701	1.85	4.46	9.33	5.42	4.24	2.70	2.50	2.01	1.89	3.04	1913
1914	1.21	0.934	1.25	2.88	8.05	7.38	5.72	3.09	2.48	3.65	2.79	1.87	3.44	1914
1915	1.25	0.934	1.08	2.17	5.76	7.25	6.07	3.56	2.03	1.96	1.80	1.31	3.03	1915
1916	0.876	1.63	1.33	2.08	4.82	12.6	9.32	4.26	2.92	1.81	1.01	0.883	3.81	1916
1917	0.889	0.772	0.793	0.726	6.01	8.74	6.22	3.77	1.83	1.26	1.06	0.798	2.83	1917
1918	1.06	0.886	0.748	1.83	4.94	8.56	3.73	2.23	1.80	1.44	1.17	1.26	2.54	1918
1919	1.28	1.11	1.00	1.97	7.20	6.09	3.78	1.74	1.16	1.14	0.858	0.602	2.33	1919
1920	0.781	0.742	0.715	---	---	---	---	---	---	---	---	---	---	1920
MEAN	1.01	0.932	0.940	1.85	5.90	8.97	5.80	3.24	2.39	2.05	1.67	1.15	2.89	MEAN

LOCATION - LAT 49 37 50 N
LONG 114 33 53 W
DRAINAGE AREA 177 km^2
REGULATED

CROWSNEST RIVER NEAR COLEMAN - STATION NO. 05AA005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	---	---	---	1910
1911	---	19.0 ON JUN 3	---	---	1911
1912	---	8.01 ON JUN 17	0.7388 ON MAR 25	73 200	1912
1913	---	11.0 ON JUN 13	0.6238 ON FEB 5	95 900	1913
1914	---	10.6 ON MAY 21	0.7938 ON FEB 20	108 000	1914
1915	---	10.4 ON MAY 10	0.8218 ON FEB 19	95 600	1915
1916	---	20.5 ON JUN 21	0.8808 ON NOV 19	114 000	1916
1917	---	19.6 ON MAY 26	0.445 ON APR 20	89 300	1917
1918	---	22.0 ON JUN 6 *	0.4638 ON JAN 30	80 200	1918
1919	---	13.0 ON MAY 26	0.1598 ON DEC 14 *	73 600	1919
1920	---	1.288 ON FEB 20	0.3288 ON JAN 22	---	1920
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		91 200	MEAN

CROWSNEST RIVER NEAR LUNDBRECK - STATION NO. 05AA002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	---	---	---	---	---	---	4.23	---	---	---	1908
1909	---	---	---	---	24.0	40.5	22.2	11.2	5.30	4.05	4.95	---	---	1909
1910	---	---	---	12.6	16.5	12.7	6.95	3.90	3.80	6.20	---	---	---	1910
1911	2.41	2.57	3.15	8.97	27.7	28.2	10.9	9.77	15.8	7.28	4.96	2.24	10.4	1911
1912	2.76	2.44	2.75	9.17	15.0	13.2	13.6	5.77	4.29	3.74	4.11	2.87	6.78	1912
1913	2.20	1.94	2.17	11.6	20.0	20.3	9.35	5.80	4.85	4.20	3.40	2.90	7.48	1913
1914	2.38	2.05	2.59	9.42	17.1	13.4	7.68	5.02	4.76	6.76	5.36	3.49	6.85	1914
1915	3.70	2.23	2.68	8.68	24.4	17.0	13.0	7.11	4.85	4.53	3.85	2.80	7.80	1915
1916	1.74	4.07	7.01	11.4	30.1	31.8	18.8	7.86	5.42	6.12	3.04	1.63	9.72	1916
1917	2.04	1.97	1.48	2.87	23.7	26.2	10.7	5.41	3.74	2.79	2.38	2.04	7.13	1917
1918	3.05	1.48	2.84	11.3	16.8	15.0	6.86	4.81	4.39	3.46	3.23	2.33	6.37	1918
1919	2.27	1.67	2.95	9.56	18.5	12.2	6.33	3.30	2.61	2.59	2.44	1.28	5.49	1919
1920	1.18	1.48	2.05	5.47	22.2	20.3	12.0	4.49	2.94	3.34	2.18	1.80	6.62	1920
1921	2.01	2.66	3.80	6.85	19.5	17.0	7.35	4.10	3.01	2.95	2.63	1.87	6.08	1921
1922	1.77	1.53	1.89	3.68	18.4	14.5	6.02	3.43	2.69	2.32	1.84	1.48	4.98	1922
1923	1.81	1.38	1.86	6.68	24.2	51.4	15.2	6.46	4.06	3.03	2.28	2.03	10.0	1923
1924	1.79	2.16	1.71	3.16	10.4	15.3	7.86	5.40	3.30	2.83	2.38	2.27	4.88	1924
1925	2.21	1.95	2.39	16.3	21.5	12.8	5.63	3.69	3.28	2.87	2.40	2.04	6.42	1925
1926	1.41	1.43	1.42	4.87	4.26	4.85	3.55	2.44	3.62	9.95	4.50	3.28	4.29	1926
1927	2.54	2.49	3.05	8.32	23.7	29.4	13.3	6.62	12.5	8.47	5.98	5.35	10.2	1927
1928	4.26	3.98	5.84	9.52	26.7	17.9	15.8	6.31	5.28	8.73	4.49	3.58	9.64	1928
1929	2.41	2.29	4.34	4.94	17.8	24.8	7.06	3.56	3.04	2.90	2.19	2.38	5.42	1929
1930	1.72	2.47	2.27	11.1	16.2	16.1	7.22	3.71	3.00	2.75	2.25	1.61	5.88	1930
1931	1.89	2.08	1.72	2.37	---	---	---	---	---	---	---	---	---	1931
MEAN	2.24	2.21	2.76	8.14	19.5	20.7	10.5	5.54	5.09	4.80	3.43	2.46	7.18	MEAN

LOCATION - LAT 49 35 40 N DRAINAGE AREA, 676 km^2
LONG 114 10 15 W NATURAL FLOW

CROWSNEST RIVER NEAR LUNDBRECK - STATION NO. 05AA002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1908	---	---	---	---	1908
1909	---	75.6 ON JUL 28	---	---	1909
1910	---	23.8 ON APR 27	---	---	1910
1911	---	68.7 ON MAY 16	1.61 B ON DEC 19	338 000	1911
1912	---	35.9 ON JUN 16	1.93 B ON DEC 10	214 000	1912
1913	---	34.5 ON MAY 28	1.70 B ON FEB 5	236 000	1913
1914	---	34.2 ON MAY 3	1.84 B ON FEB 18	216 000	1914
1915	---	41.6 ON MAY 2	1.47 B ON DEC 31	349 000	1915
1916	---	53.0 ON JUN 22	1.25 B ON DEC 15	307 000	1916
1917	---	42.2 ON MAY 16	1.13 B ON MAR 21	326 000	1917
1918	---	30.6 ON MAY 4	1.27 B ON FEB 19	201 000	1918
1919	---	28.2 ON MAY 25	0.6238 ON DEC 10	173 000	1919
1920	---	37.1 ON MAY 12	0.5348 ON JAN 20 *	209 000	1920
1921	---	27.8 ON MAY 23	0.9638 ON MAR 11	191 000	1921
1922	---	31.4 ON MAY 18	1.19 B ON DEC 15	157 000	1922
1923	---	143 ON JUN 1 *	1.25 B ON FEB 12	316 000	1923
1924	---	30.5 ON JUN 23	1.35 B ON MAR 17	154 000	1924
1925	---	31.1 ON MAY 22	1.42 B ON DEC 30	203 000	1925
1926	---	15.0 ON SEP 9	1.40 B ON JAN 8	135 000	1926
1927	---	48.7 ON JUN 11	2.01 B ON JAN 21	320 000	1927
1928	---	41.9 ON JUL 2	2.83 B ON DEC 30	305 000	1928
1929	---	86.8 ON JUN 3	1.78 B ON NOV 21	302 000	1929
1930	---	23.1 ON JUN 9	1.42 B ON DEC 31	185 000	1930
1931	---	---	---	---	1931
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		226 000	MEAN

CUTBANK RIVER NEAR GRANDE PRAIRIE - STATION NO 07GB001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	---	---	---	3 30	2 10	1 35	1 26	1 15	---	---	---	1970
1971	---	---	---	---	19 6	34 7	31 1	2 89	3 47	5 89	---	---	---	1971
1972	---	---	---	---	18 7	38 4	7 47	5 39	4 56	16 3	---	---	---	1972
1973	---	---	---	---	19 4	6 84	2 47	3 28	2 30	2 97	---	---	---	1973
1974	---	---	---	---	37 4	10 8	3 31	1 73	1 44	1 62	---	---	---	1974
1975	---	---	---	---	11 5	13 0	16 1	2 40	1 80	1 42	---	---	---	1975
1976	---	---	---	---	19 5	11 0	9 15	21 9	5 45	2 96	---	---	---	1976
1977	---	---	---	---	29 5	10 7	16 9	5 05	6 63	10 2	---	---	---	1977
1978	---	---	---	---	11 5	8 97	4 64	4 49	11 7	3 77	---	---	---	1978
1979	---	---	---	---	24 1	13 5	7 24	1 93	1 77	1 38	---	---	---	1979
1980	---	---	---	---	5 10	39 1	9 23	5 92	10 5	3 77	---	---	---	1980
1981	---	---	---	---	10 5	5 90	7 48	4 25	1 32	1 29	---	---	---	1981
1982	---	---	---	---	23 6	5 83	38 0	20 5	5 40	4 19	---	---	---	1982
1983	---	---	0 517	5 78	7 51	10 7	25 2	3 74	1 92	1 98	---	---	7 25	1983
1984	---	---	0 582	3 11	14 5	11 8	1 87	1 20	8 15	5 00	---	---	5 76	1984
1985	---	---	0 462	4 88	10 5	5 91	2 16	2 44	14 6	7 05	---	---	5 00	1985
1986	---	---	2 12	8 56	19 5	9 04	12 3	2 02	3 87	5 40	---	---	7 95	1986
MEAN	---	---	0 920	5 09	17 5	14 1	11 8	5 43	5 17	4 67	---	---	5 74	MEAN

LOCATION - LAT 54 30 57 N DRAINAGE AREA 844 km²
LONG 118 57 47 W NATURAL FLOW

CUTBANK RIVER NEAR GRANDE PRAIRIE - STATION NO 07GB001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1972	785 A AT 15 00 MST ON JUN 12	198 ON JUL 11	---	---	1972
1973	41 3 AT 23 30 MST ON MAY 4	464 A ON JUN 12	---	---	1973
1974	93 5 AT 02 00 MST ON MAY 11	36 2 ON MAY 5	---	---	1974
		51 38 ON MAY 1	---	---	
1975	127 AT 23 00 MST ON JUN 28	90 3E ON JUN 29	---	---	1975
1976	106 AT 02 00 MST ON JUL 2	73 3 ON AUG 17	---	---	1976
1977	227 A AT 03 00 MST ON MAY 6	159 A ON MAY 6	---	---	1977
1978	78 7 AT 17 00 MST ON SEP 16	45 0 ON SEP 16	---	---	1978
1979	87 1 AT 10 30 MST ON MAY 16	65 0 ON MAY 16	---	---	1979
1980	274 AT 10 00 MST ON JUN 4	249 B ON JUN 4	---	---	1980
1981	89 5 AT 22 30 MST ON JUL 29	59 3 ON JUL 30	---	---	1981
1982	800 ON JUL 15 *	506 A ON JUL 15 A	---	---	1982
1983	103 AT 20 30 MST ON JUL 15	84 7 ON JUL 15	0 1978 ON MAR 7	153 000	1983
1984	71 2 AT 08 30 MST ON MAY 17	62 4 ON MAY 17	0 2838 ON MAR 1	122 000	1984
1985	56 2 AT 14 30 MST ON SEP 13	48 1 ON SEP 13	0 1938 ON MAR 8 *	127 000	1985
1986	78 3 AT 10 00 MST ON JUL 18	56 1 ON JUL 18	0 8558 ON MAR 1	189 000	1986
				143 000	MEAN

A - MANUAL GAUGE B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
(SEE REFERENCE INDEX) E - ESTIMATED

DAPP CREEK AT HIGHWAY NO 44 - STATION NO 07BC004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	0 032	1 04	0 533	0 576	0 723	0 442	0 486	0 783	---	---	0 572	1973
1974	---	---	0	10 2	9 03	0 585	0 346	0 178	0 214	0 080	---	---	2 57	1974
1975	---	---	0		0 647	0 987	0 380	0 894	0 853	1 22	0 890	---	0 743	1975
1976	---	---	0 196	3 43	0 711	0 028	0 022	0 006	0 009	0 230	---	---	0 572	1976
1977	---	---	0 019	2 66	0 718	1 28	0 864	0 474	0 333	0 453	---	---	0 896	1977
1978	---	---	0 176	3 52	1 61	0 828	0 343	0 305	2 14	2 80	---	---	1 48	1978
1979	---	---	0 230	5 95	8 12	1 41	4 89	1 79	0 591	0 231	---	---	3 59	1979
1980	---	---	0 010	0 781	0 108	0 016	0 133	0 412	0 462	0 387	---	---	0 284	1980
1981	---	---	0 513	4 85	1 16	0 294	0 529	0 631	0 167	0 283	---	---	1 04	1981
1982	---	---	0 016	3 12	2 87	0 353	0 077	0 032	0 011	0 001	---	---	0 780	1982
1983	---	---	0	0 262	0 246	0 062	0 190	0 217	0 034	0 019	---	---	0 129	1983
1984	---	---	0 237	0 218	0 011	0 016	0 088	0 021	0 026	0 026	---	---	0 079	1984
1985	---	---	0 131	2 39	1 12	0 091	0 389	0 087	0 005	0 003	---	---	0 517	1985
1986	---	---	0 374	2 11	0 892	0 183	3 00	2 98	0 872	0 533	---	---	1 36	1986
MEAN	---	---	0 137	2 93	1 80	0 444	0 811	0 671	0 468	0 507	---	---	0 974	MEAN

LOCATION - LAT 54 18 30 N DRAINAGE AREA 583 km²
LONG 113 50 55 W NATURAL FLOW

DAPP CREEK AT HIGHWAY NO. 44 - STATION NO. 07BC004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	1.77 ON APR 10	0 B ON MAR 1 *	13 100	1973
1974	---	38.6 ON APR 25 *	0 B ON MAR 1	84 300	1974
1975	---	2.12 ON APR 27	0 B ON MAR 1	15 700	1975
1976	---	5.52 B ON APR 5	0 ON AUG 11	13 100	1976
1977	---	9.77 B ON APR 10	0.0145 ON MAR 14	18 000	1977
1978	---	4.80 B ON APR 5	0.0883 ON MAR 12	3 390	1978
1979	---	16.0 ON APR 24	0.105 ON OCT 13	84 980	1979
1980	---	1.50 ON APR 12	0 ON MAY 19	4 000	1980
1981	---	9.77 B ON APR 3	0.0028 ON MAR 1	22 100	1981
1982	---	11.3 ON APR 23	0 B ON MAR 1	15 600	1982
1983	---	0.672 ON APR 8	0 B ON MAR 1	2 740	1983
1984	---	1.14 B ON MAR 25	0.0016 ON SEP 2	1 870	1984
1985	---	4.42 B ON APR 3	0.0038 ON MAR 1	10 900	1985
1986	---	5.61 ON JUL 31	0.0049 ON MAR 1	23 300	1986
				30 600	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

DEAD FISH CREEK NEAR HUTTON - STATION NO. 05CH005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1935	---	---	0.003	0.390	0.006	---	---	---	---	---	---	---	---	1935
MEAN	---	---	0.003	0.390	0.006	---	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 61 01 00 N DRAINAGE AREA 265 km^2
LONG 111 48 00 W REGULATED

DEAD FISH CREEK NEAR HUTTON - STATION NO. 05CH005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1935	---	0.002 ON APR 11 *	00 ON MAR 1 *	---	1935
				---	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

DEADFISH INFLOW CANAL NEAR CESSFORD - STATION NO. 05CH012

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1983	---	---	---	---	---	---	0	0	0.064	0.392	---	---	---	1983
1984	---	---	0	0	0	0	0.439	0.875	0.363	0	---	---	0.183	1984
1985	---	---	0	0	0	0.073	0.079	0.202	0.096	0.211	---	---	0.083	1985
1986	---	---	0	0	0.426	0.398	0.370	0.167	0.021	0.025	0.112	---	0.178	1986
MEAN	---	---	0	0	0.142	0.157	0.220	0.261	0.131	0.157	0.112	---	0.147	MEAN

LOCATION - LAT 51 00 53 N
LONG 111 48 32 W NATURAL FLOW

DEADFISH INFLOW CANAL NEAR CESSFORD - STATION NO. 05CH012

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1983	---	---	00 ON JUN 3 *	---	1983
1984	---	0.980 ON JUL 15	0 ON MAR 1	3 880	1984
1985	---	1.04 ON OCT 1	0 ON MAR 1	1 780	1985
1986	---	1.17 ON MAY 3 *	00 ON MAR 1	3 730	1986
				3 130	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

DEEP VALLEY CREEK NEAR VALLEYVIEW - STATION NO. 07GF005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1985	---	---	0.930	5.73	9.70	6.73	1.46	3.01	7.86	6.32	---	---	4.96	1985
1986	---	---	1.45	6.93	16.2	6.73	13.1	1.74	3.44	8.31	---	---	7.11	1986
MEAN	---	---	1.19	6.33	13.0	5.73	6.78	2.38	5.69	7.27	---	---	6.04	MEAN

LOCATION - LAT 54 35 45 N DRAINAGE AREA 837 km^2
LONG 117 43 10 W NATURAL FLOW

DEEP VALLEY CREEK NEAR VALLEYVIEW - STATION NO 07GF005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1985	27 5 AT 20 30 MST ON JUN 28	20 1 ON MAY 6	0 5418 ON MAR 29 *	105 000	1985
1986	83 5 AT 09 00 MST ON JUL 18 *	59 6 ON JUL 18 *	0 6298 ON MAR 1	150 000	1986
				128 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

DEER CREEK (MAIN STEM) NEAR SUNDRE - STATION NO 05CA003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	0 047	0 027	0 014	0 011	---	---	---	1966
1967	---	---	---	---	0 081	0 136	0 034	0 013	0 004	0 004	0 003	0 002	---	1967
1968	0 001	0 001	0 002	0 007	0 015	0 017	0 009	0 010	0 012	0 013	0 008	0 005	0 012	1968
1969	0 003	0 001	0 002	0 021	0 054	0 084	0 210	0 036	0 019	0 011	---	---	0 064	1969
1970	---	---	---	---	---	0 092	0 051	0 018	0 011	---	---	---	---	1970
1971	---	---	0 001	0 015	0 013	0 027	0 011	0 004	0 003	0 003	---	---	0 011	1971
1972	---	---	0 003	0 010	0 035	0 075	0 085	0 035	0 020	0 012	---	---	0 036	1972
1973	0 003	0 003	0 003	0 010	0 080	0 089	0 028	0 013	0 008	0 005	0 003	0 001	0 034	1973
1974	0 001	0 001	0 001	0 016	0 087	0 055	0 021	0 011	0 008	0 009	0 004	0 002	0 027	1974
1975	---	---	---	---	---	---	---	---	0 018	0 008	---	---	---	1975
1976	0 001	0 001	0	0 005	0 010	0 011	0 006	0 015	0 011	0 010	0 002	0 002	0 010	1976
1977	0 001	0	0	0 003	0 033	0 030	0 013	0 018	0 017	0 015	0 008	0	0 018	1977
1978	0	0	0	0 026	0 053	0 077	0 038	0 029	0 024	0 013	---	---	0 038	1978
1979	---	0	0 001	0 011	0 030	0 040	0 044	0 018	0 007	0 004	0 004	---	0 022	1979
1980	---	---	0 001	0 003	0 018	0 052	0 023	0 015	0 012	0 008	---	---	0 019	1980
1981	---	---	0 002	0 005	0 055	0 084	0 132	0 052	0 014	0 017	---	---	0 047	1981
1982	---	---	0	0	0 033	0 037	0 071	0 032	0 018	0 011	---	---	0 029	1982
1983	---	---	0 001	0 013	0 025	0 032	0 063	0 018	0 008	0 005	---	---	0 025	1983
1984	---	---	0 001	0 009	0 006	0 039	0 009	0 003	0 004	0 004	---	---	0 010	1984
1985	---	---	---	---	---	0 006	0 001	0 003	0 017	0 011	---	---	---	1985
1986	---	---	---	0 006	0 098	0 055	0 158	0 082	0 057	0 105	---	---	0 078	1986
MEAN	0 001	0 001	0 001	0 011	0 042	0 053	0 052	0 021	0 014	0 014	0 004	0 002	0 030	MEAN

LOCATION - LAT 51 39 25 N DRAINAGE AREA 5 44 km^2
LONG 115 08 00 W NATURAL FLOW

DEER CREEK (MAIN STEM) NEAR SUNDRE - STATION NO 05CA003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	---	---	---	1966
1967	1 94 AT 20 00 MST ON MAY 30 *	0 899 ON MAY 30	---	---	1967
1968	0 068 AT 19 30 MST ON APR 28	0 048 ON APR 29	0 001 ON APR 7	220	1968
1969	0 885 AT 04 00 MST ON JUN 28	0 899 ON JUN 28	0 009 ON APR 2	1 180	1969
1970	0 831 AT 07 21 MST ON JUN 16	0 640 ON JUN 16	---	---	1970
1971	0 125 AT 04 30 MST ON JUN 6	0 095 ON JUN 6	0 0018 ON APR 1	201	1971
1972	0 787 AT 07 30 MST ON JUN 25	0 498 ON JUN 25	0 0018 ON APR 4	687	1972
1973	0 328 AT 17 50 MST ON MAY 27	0 286 ON MAY 27	0 004 ON APR 1	521	1973
1974	0 176 AT 18 50 MST ON MAY 24	0 142 ON MAY 24	0 0018 ON APR 1	494	1974
1975	---	---	---	---	1975
1976	0 068 AT 11 00 MST ON AUG 9	0 037 ON JUN 16	0 ON APR 14 *	180	1976
1977	0 082 AT 17 30 MST ON MAY 15	0 082 ON MAY 29	0 E ON APR 1	341	1977
1978	0 891 AT 15 30 MST ON APR 28	0 405 ON APR 28	0 ON APR 1	708	1978
1979	0 252 AT 11 45 MST ON JUN 20	0 131 ON JUN 20	0 0018 ON APR 1	406	1979
1980	0 142 AT 19 00 MST ON JUN 6	0 108 ON JUN 6	0 002E ON APR 1	343	1980
1981	1 59 AT 06 45 MST ON JUL 30	0 728 ON JUL 30 *	0 001E ON APR 11	877	1981
1982	0 239 AT 18 56 MST ON JUL 6	0 136 ON JUL 4	0 E ON APR 1	530	1982
1983	0 335 AT 04 01 MST ON JUL 3	0 202 ON JUL 3	0 002E ON APR 1	455	1983
1984	0 171 AT 02 13 MST ON JUN 9	0 140 ON JUN 9	0 001E ON AUG 27	186	1984
1985	0 130 AT 22 04 MST ON SEP 12	0 072 ON SEP 12	0 001 ON JUL 6	---	1985
1986	0 919 AT 16 15 MST ON JUL 17	0 533 ON JUL 17	---	1 440	1986
				553	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

DEER CREEK AT DICKINSON'S RANCH - STATION NO 11AA010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	0 312	0 180	0 147	---	---	---	---	---	1911
1915	---	---	---	---	---	0 305	0 102	0 042	0 033	0 031	---	---	---	1915
MEAN	---	---	---	---	---	0 309	0 141	0 095	0 033	0 031	---	---	---	MEAN

LOCATION - LAT 49 02 00 N DRAINAGE AREA 18 9 km^2
LONG 111 32 30 W NATURAL FLOW

MEAN	---	---	---	---	---	---	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 05 00 N DRAINAGE AREA 32 9 km^2
LONG 111 30 00 W REGULATED

DEER CREEK CATTLE CO DITCH - STATION NO 11AA022

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1923	---	---	---	---	0.044	0.038	---	---	---	---	---	---	---	1923
1924	---	---	---	---	0.023	0.083	---	---	---	---	---	---	---	1924
1925	---	---	---	0.080	0.046	---	---	---	---	---	---	---	---	1925
1926	---	---	---	---	0.008	0.009	---	---	---	---	---	---	---	1926
1928	---	---	---	---	---	---	---	---	---	---	---	---	---	1928
1929	---	---	---	---	---	---	---	---	---	---	---	---	---	1929
1930	---	---	---	---	0.022	0.002	---	---	---	---	---	---	---	1930
MEAN	---	---	---	0.060	0.029	0.033	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 05 00 N
LONG 111 30 00 W REGULATED

DEER CREEK CATTLE CO DITCH - STATION NO 11AA022

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1923	---	---	0 ON JUN 4 *	---	1923
1924	---	---	0 ON MAY 25	---	1924
1925	---	---	0 ON MAR 28	---	1925
1926	---	---	0 ON MAY 1	---	1926
1928	---	---	0 ON APR 28	---	1928
1929	---	---	0 ON JUL 14	---	1929
1930	---	---	0 ON MAY 21	---	1930
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

DEER CREEK CATTLE CO EAST DITCH - STATION NO 11AA013

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	0.114	0.036	0.018	0.018	---	---	---	---	---	---	1912
1915	---	---	---	0.040	0.057	0.047	0.084	---	0.008	---	---	---	---	1915
MEAN	---	---	---	0.077	0.047	0.031	0.036	---	0.008	---	---	---	---	MEAN

LOCATION - LAT 49 05 00 N
LONG 111 30 00 W REGULATED

DEER CREEK CATTLE CO EAST DITCH - STATION NO 11AA013

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	---	0 ON JUN 20 *	---	1912
1915	---	---	0 ON JUN 8	---	1915
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

DEERLICK CREEK NEAR HINTON - STATION NO 07AF004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	---	---	---	0.087	0.062	---	---	1966
1967	---	---	---	---	---	0.564	0.104	0.045	0.022	0.026	0.021	---	---	1967
1968	---	---	---	---	0.255	0.188	0.302	0.239	0.088	0.052	0.026	---	---	1968
1969	---	---	---	---	0.286	0.269	0.523	---	0.072	0.059	---	---	---	1969
1970	---	---	---	---	0.282	0.249	0.060	0.033	0.025	0.012	---	---	---	1970
1971	---	---	---	0.053	0.300	0.613	0.327	0.073	0.071	0.118	---	---	0.222	1971
1972	---	---	---	---	0.457	0.532	0.221	0.073	0.150	0.172	---	---	---	1972
1973	---	---	---	0.008	0.537	0.287	0.129	0.071	0.081	0.084	---	---	0.188	1973
1974	---	---	---	0.144	0.639	0.238	0.149	0.068	0.070	0.053	---	---	0.195	1974
1975	---	---	---	0.016	0.330	0.227	0.119	0.035	0.038	0.027	---	---	0.113	1975
1976	---	---	---	0.088	0.324	0.236	0.094	0.226	0.102	0.084	---	---	0.184	1976
1977	---	---	---	0.054	0.972	0.384	0.315	0.230	0.307	0.140	---	---	0.345	1977
1978	---	---	---	0.184	0.521	0.429	0.288	0.155	0.304	0.089	---	---	0.278	1978
1979	---	---	---	0.057	0.348	0.299	0.118	0.052	0.036	0.052	---	---	0.138	1979
1980	---	---	---	0.283	0.336	1.37	0.434	0.152	0.215	0.106	---	---	0.410	1980
1981	---	---	---	0.062	0.297	0.245	0.305	0.182	0.060	0.044	---	---	0.169	1981
1982	---	---	---	0.101	0.328	0.341	0.778	0.242	0.206	0.265	---	---	0.324	1982
1983	---	---	---	0.147	0.297	0.225	0.118	0.030	0.021	0.022	---	---	0.123	1983
1984	---	---	---	0.084	0.194	0.330	0.061	0.025	0.145	0.224	---	---	0.152	1984
1985	---	---	---	0.099	0.158	0.326	0.128	0.374	0.412	0.149	---	---	0.235	1985
1986	---	---	---	0.118	0.381	0.171	0.807	0.127	0.168	0.383	---	---	0.310	1986
MEAN	---	---	---	0.089	0.381	0.375	0.269	0.127	0.129	0.107	0.037	---	0.223	MEAN

LOCATION - LAT 53 09 20 N DRAINAGE AREA, 14.0 km^2
LONG 117 14 36 W NATURAL FLOW

OLDKLICK CREEK NEAR HINTON - STATION NO 07AF004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	...	...	...	...	1966
1967	2 01 AT 10 00 MST ON JUN 9	1 71 ON JUN 9	...	...	1967
1968	1 38 AT 03 50 MST ON JUL 22	1 15 ON JUL 22	...	...	1968
1969	11 8 AT 18 00 MST ON AUG 5 *	...	...	...	1969
1970	3 08 AT 06 50 MST ON JUN 16	1 52 ON JUN 16	...	...	1970
1971	3 39 AT 20 00 MST ON JUN 9	2 20 ON JUN 9	0 0038 ON APR 1	4 110	1971
1972	2 80 AT 20 00 MST ON JUN 25	1 89 ON JUN 25	...	...	1972
1973	1 21 AT 19 30 MST ON MAY 16	0 909 ON MAY 16	0 0018 ON APR 1 A	3 120	1973
1974	1 288 AT 18 00 MST ON MAY 6	1 08 B ON MAY 6	0 0068 ON APR 1	3 610	1974
1975	...	...	...	...	1975
1976	...	0 7318 ON MAY 9	0 0068 ON APR 1	2 050	1976
1977	3 96 AT 15 50 MST ON MAY 29	0 8728 ON MAY 1	0 0088 ON APR 1	3 030	1977
1978	...	2 44 ON MAY 22	0 0168 ON APR 21	6 370	1978
1979	1 33 AT 07 00 MST ON JUN 20	1 76 B ON MAY 16	0 0108 ON APR 1	5 140	1979
		0 820 ON JUN 20	0 0138 ON APR 1	2 540	
1980	11 3 AT 13 50 MST ON JUN 4	8 76 ON JUN 4 *	0 0308 ON APR 1	7 590	1980
1981	1 16 AT 08 05 MST ON JUL 30	0 995 ON JUL 30	0 0108 ON APR 1	3 120	1981
1982	5 47 AT 15 30 MST ON JUL 4	3 62 ON JUL 5	0 0038 ON APR 1	6 000	1982
1983	1 00 AT 08 05 MST ON JUN 24	0 782 ON JUN 24	0 0108 ON APR 10	2 270	1983
1984	1 33 AT 18 40 MST ON JUN 8	1 10 ON JUN 8	0 017 ON AUG 26	2 800	1984
1985	1 95 AT 23 50 MST ON SEP 12	1 44 A ON AUG 15	0 0088 ON APR 19	4 340	1985
1986	7 56 AT 22 07 MST ON JUL 17	4 00 ON JUL 17	0 0278 ON APR 1	6 730	1986
				4 120	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

DEVIL'S CREEK NEAR BANKHEAD - STATION NO 05BD001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	...	...	...	...	...	...	3 25	3 33	2 58	2 18	1 80	1 52	...	1910
1911	1 59	1 26	1 06	1 05	1 68	6 03	5 70	5 84	5 10	3 44	2 55	1 48	3 05	1911
1912	...	1 31	1 92	0 169	1 34	0	...	...	...	...	...	...	...	1912
MEAN	1 59	1 30	1 49	0 615	1 51	3 02	4 48	4 46	3 84	2 81	2 18	1 50	3 05	MEAN

LOCATION - LAT 51 15 00 N
LONG 115 29 00 W
NATURAL FLOW

DEVIL'S CREEK NEAR BANKHEAD - STATION NO 05BD001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	...	...	...	...	1910
1911	...	...	...	...	1911
1912	...	8 35 ON JUN 30 *	0 938 ON MAR 28	96 900	1912
		...	0 ON JUN 1 *	...	
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		96 900	MEAN

DICKSON DAM TUNNEL OUTLET - STATION NO 05CB001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1983	...	...	...	...	...	...	80 0	26 6	17 6	30 9	17 8	16 6	...	1983
1984	16 7	16 5	16 2	17 0	37 4	16 5	15 4	28 7	23 4	30 5	16 7	16 3	20 5	1984
1985	16 7	15 6	16 5	16 8	16 3	25 0	20 1	34 1	16 2	27 0	17 8	16 2	20 0	1985
1986	16 4	16 0	16 3	16 6	11 4	11 6	0	52 1	38 3	62 0	26 5	17 2	23 8	1986
MEAN	16 6	16 0	16 3	16 8	21 7	18 0	24 9	35 4	23 9	32 9	19 7	16 6	21 4	MEAN

LOCATION - LAT 52 03 30 N
LONG 114 13 02 W
DRAINAGE AREA 5 600 km^2
REGULATED SINCE 1983

DICKSON DAM TUNNEL OUTLET - STATION NO 05CB001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1983	...	...	...	...	1983
1984	...	52 3 ON MAY 10	12 5 ON JUN 30	647 000	1984
1985	...	49 6 ON AUG 24	0 ON SEP 13 *	630 000	1985
1986	...	35 3 ON OCT 4 *	0 ON MAY 15	763 000	1986
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		677 000	MEAN

DOG RIVER NEAR FITZGERALD — STATION NO 07NB006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	---	---	---	---	---	---	1972
1973	---	---	---	0 903	8 82	---	---	---	3 84	2 26	---	---	---	1973
1974	1 11	1 64	1 64	5 15	23	10 3	7 65	4 51	2 85	2 64	2 24	2 14	5 56	1974
1975	1 53	1 27	1 15	2 23	9 14	7 25	3 42	1 31	0 519	0 784	0 615	0 747	2 51	1975
1976	0 897	1 25	1 18	4 04	12 8	5 94	2 87	1 31	0 513	0 320	0 304	0 303	2 56	1976
1977	0 835	1 15	1 22	3 30	3 40	14 3	7 10	3 36	1 94	0 97	0 84	1 49	3 32	1977
1978	1 11	1 45	1 05	1 22	6 08	4 20	2 06	0 743	0 246	1 323	1 338	0 600	1 67	1978
1979	0 678	0 485	0 401	0 740	2 73	1 78	0 620	0 044	0 007	0 676	0 136	0 036	0 881	1979
1980	0 067	0 056	0 044	0 849	0 663	2 20	0 007	0 001	0 004	0 204	0 067	0 018	0 175	1980
1981	0 009	0 007	0 001	0 271	2 75	0 375	0 410	0 527	0 553	0 506	0 583	0 478	0 546	1981
1982	0 267	0 249	0 350	0 568	6 82	3 51	1 49	0 852	0 006	0 135	0 102	0 196	1 02	1982
1983	0 356	0 210	0 067	0 675	6 75	4 78	3 01	1 11	1 18	1 807	0 663	0 567	1 80	1983
1984	0 493	0 524	0 700	2 99	3 97	6 65	7 18	4 67	2 83	4 75	1 19	0 67	4 03	1984
1985	3 84	2 60	2 12	2 75	29 2	12 6	4 53	1 08	24	5 770	3 324	0 272	5 30	1985
1986	0 402	0 457	0 445	0 811	3 54	4 41	5 16	2 67	1 84	40	0 87	1 774	1 90	1986
MEAN	0 963	0 882	0 787	1 91	6 33	5 90	3 49	1 89	1 12	1 09	1 25	1 08	2 39	MEAN

LOCATION - LAT 59 52 35 N DRAINAGE AREA 1 020 km²
LONG 111 31 15 W NATURAL FLOW

DOG RIVER NEAR FITZGERALD — STATION NO 07NB006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1972	---	---	---	---	1972
1973	---	---	---	---	1973
1974	---	28 9 ON MAY 1	1 27 B ON APR 10	175 000	1974
1975	---	16 1 ON MAY 13	0 323 ON SEP 22	79 300	1975
1976	---	17 2 E ON MAY 3	0 2830 ON DEC 21	82 100	1976
1977	26 0 AT 16 00 MST ON JUN 20	27 8 ON JUN 20	0 5540 ON JAN 1	105 000	1977
1978	8 27 AT 03 00 MST ON MAY 12	8 21 ON MAY 12	0 156 ON SEP 1	52 600	1978
1979	---	3 858 ON MAY 17	0 002 ON SEP 2	21 400	1979
1980	---	1 958 ON APR 21	0 001 ON AUG 7 *	5 530	1980
1981	---	4 206 ON MAY 3	0 003 ON JUN 25	17 200	1981
1982	---	6 51 ON MAY 18	0 001 ON AUG 30	32 100	1982
1983	8 60 AT 06 45 MST ON MAY 12	6 40 ON MAY 13	0 0468 ON APR 3	56 900	1983
1984	8 41 AT 21 40 MST ON JUN 9	8 37 ON JUN 10	0 6798 ON JAN 26	127 000	1984
1985	36 5 AT 21 44 MST ON MAY 10 *	36 5 ON MAY 10 *	0 1488 ON NOV 23	167 000	1985
1986	8 46 AT 16 20 MST ON JUN 29	6 39 ON JUN 29	0 3239 ON JAN 1	56 900	1986
				75 500	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

DOVER RIVER NEAR THE MOUTH — STATION NO 07OB002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	---	3 85	7 94	3 62	1 23	0 345	---	1975
1976	0 209	0 215	0 205	0 79	2 19	1 01	0 862	0 992	1 91	---	---	0 193	---	1976
1977	0 073	0 041	0 028	1 34	0 828	0 870	1 12	0 201	0 329	0 888	0 304	0 205	0 521	1977
MEAN	0 181	0 128	0 117	5 55	1 91	0 844	1 04	1 68	3 38	2 25	0 767	0 234	0 521	MEAN

LOCATION - LAT 57 10 12 N DRAINAGE AREA 963 km²
LONG 111 47 36 W NATURAL FLOW

DOVER RIVER NEAR THE MOUTH — STATION NO 07OB002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1975	---	---	---	---	1975
1976	---	24 5 B ON APR 13 *	0 0858 ON DEC 20	---	1976
1977	---	3 549 ON APR 16	0 0285 ON MAR 3 *	16 400	1977
				16 400	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

DRAIN L-5 NEAR DIAMOND CITY — STATION NO 05AD040

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1985	---	---	---	---	0 011	0 026	0 025	0 021	0 037	0 018	---	---	0 022	1985
1986	---	---	---	---	0 005	0 045	0 061	0 049	0 045	0 009	---	---	0 036	1986
MEAN	---	---	---	---	0 008	0 037	0 043	0 035	0 041	0 014	---	---	0 030	MEAN

LOCATION - LAT 49 47 20 N
LONG 112 51 20 W REGULATED

DRAIN L-5 NEAR DIAMOND CITY - STATION NO 05AD040

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1985	---	0.144 ON JUL 29 *	0 ON MAY 1 *	371	1985
1986	---	0.121 ON JUL 21	0 ON MAY 1	566	1986
		* EXTREME RECORDED FOR THE PERIOD OF RECORD		469	MEAN

DRAIN S-10 NEAR BOW ISLAND - STATION NO 05AJ003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	0.013	0.085	0.255	0.243	0.202	0.079	0.031	---	---	0.146	1973
1974	---	---	---	---	0.013	0.122	0.337	0.271	0.101	0.167	---	---	0.189	1974
1975	---	---	---	---	0.068	0.093	0.296	0.302	0.038	0.033	---	---	0.139	1975
1976	---	---	---	---	0.070	0.408	0.520	0.178	0.096	0.092	---	---	0.227	1976
1977	---	---	---	---	0.167	0.382	0.424	0.241	0.026	0.037	---	---	0.213	1977
1978	---	---	---	---	0.015	0.056	0.553	0.175	0.043	0.031	---	---	0.146	1978
1979	---	---	---	---	0.020	0.474	0.624	0.238	0.116	0.118	---	---	0.265	1979
1980	---	---	---	---	0.161	0.124	0.365	0.253	0.056	0.094	---	---	0.176	1980
1981	---	---	---	---	0.070	0.367	0.596	0.313	0.282	0.384	---	---	0.335	1981
1982	---	---	---	---	0.047	0.207	0.782	0.512	0.183	0.056	---	---	0.299	1982
1983	---	---	---	---	0.040	0.600	1.02	0.553	0.355	0.232	---	---	0.486	1983
1984	---	---	---	---	0.069	0.409	0.738	0.325	0.077	0.032	---	---	0.275	1984
1985	---	---	---	---	0.007	0.317	0.524	0.381	0.030	0.041	---	---	0.217	1985
1986	---	---	---	---	0.017	0.546	0.744	0.407	0.203	0.056	---	---	0.346	1986
MEAN	---	---	---	0.013	0.059	0.313	0.555	0.311	0.128	0.100	---	---	0.244	MEAN

LOCATION - LAT 49 55 40 N
LONG 111 24 50 W REGULATED

DRAIN S-10 NEAR BOW ISLAND - STATION NO 05AJ003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---				
1974	---	1.22 ON JUN 16	0.002 ON MAY 10	2 320	1973
		0.708 ON AUG 13	0.004 ON MAY 10	2 690	1974
1975	---	0.801 ON JUN 20	0.004 ON JUN 8	2 210	1975
1976	---	1.12 ON JUL 12	0.008 ON MAY 3	3 610	1976
1977	---	1.03 E ON JUL 1	0.004 ON JUL 27	3 380	1977
1978	---	1.12 E ON JUL 27	0.003 ON MAY 28	2 330	1978
1979	---	1.23 ON JUL 1	0.007 ON OCT 27	4 210	1979
1980	---	1.37 ON AUG 4	0 ON JUN 6 *	2 800	1980
1981	---	1.11 ON JUL 17	0.002 ON MAY 1	5 320	1981
1982	---	1.23 ON JUL 6	0.004 ON MAY 24	4 750	1982
1983	---	3.28 ON JUL 20 *	0.001 ON MAY 25	7 410	1983
1984	---	1.34 ON JUN 22	0 B ON OCT 25	4 380	1984
1985	---	0.849 ON AUG 5	0.002 ON MAY 21	3 450	1985
1986	---	1.84 A ON SEP 25	0 ON MAY 27	5 510	1986
				3 880	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

DRAIN S-4 NEAR GRASSY LAKE - STATION NO 05AJ002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	0	0.186	0.100	0.231	0.184	0.158	0.185	0.255	---	0.168	1972
1973	---	---	---	---	0.174	0.151	0.211	0.221	0.264	0.118	---	---	0.180	1973
1974	---	---	---	---	0.009	0.193	0.223	0.098	0.153	0.174	---	---	0.141	1974
1975	---	---	---	---	0.007	0.140	0.208	0.197	0.079	0.058	---	---	0.115	1975
1976	---	---	---	---	0.142	0.397	0.262	0.199	0.198	0.281	0.319	---	0.246	1976
1977	---	---	---	---	0.309	0.273	0.256	0.220	0.217	0.226	---	---	0.250	1977
1978	---	---	---	---	0.001	0.110	0.184	0.211	0.152	0.138	---	---	0.133	1978
1979	---	---	---	---	0.059	0.315	0.269	0.336	0.202	0.168	---	---	0.224	1979
1980	---	---	---	---	0.175	0.286	0.236	0.271	0.418	0.647	---	---	0.339	1980
1981	---	---	---	---	0.095	0.302	0.337	0.234	0.205	0.470	---	---	0.274	1981
1982	---	---	---	---	0.226	0.284	0.187	0.242	0.294	0.346	---	---	0.260	1982
1983	---	---	---	---	0.030	0.357	0.357	0.259	0.385	0.126	---	---	0.251	1983
1984	---	---	---	---	0.245	0.338	0.357	0.360	0.262	0.098	---	---	0.276	1984
1985	---	---	---	---	0.173	0.362	0.363	0.355	0.532	0.136	---	---	0.317	1985
1986	---	---	---	---	---	---	---	0.284	0.635	0.757	---	---	---	1986
MEAN	---	---	---	0	0.131	0.258	0.261	0.243	0.277	0.361	0.287	---	0.227	MEAN

LOCATION - LAT 49 53 53 N
LONG 111 40 00 W REGULATED

DRAIN S-4 NEAR GRASSY LAKE - STATION NO 05AJ002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	0.541 ON SEP 26	0 ON MAY 1 *	2 670	1972
1973	---	0.445 ON MAY 23	0 ON MAY 1	3 010	1973
1974	---	0.419 ON JUL 3	0 A ON MAY 1	2 250	1974
1975	---	0.419 ON OCT 27	0 ON MAY 14	1 820	1975
1976	---	0.620 ON JUN 19	0 ON MAY 1	3 910	1976
1977	---	0.617 ON MAY 15	0.001 ON MAY 1	3 980	1977
1978	---	0.345 ON JUL 3	0 ON MAY 8	2 110	1978
1979	---	0.713 ON JUL 2	0 E ON MAY 1	3 570	1979
1980	---	0.756 ON OCT 25 *	0 ON MAY 1	5 380	1980
1981	---	0.622 ON OCT 24	0 ON MAY 1	4 380	1981
1982	---	0.597 ON JUN 8	0 ON MAY 1	4 130	1982
1983	---	0.657 ON JUL 9	0 ON MAY 1	3 990	1983
1984	---	0.718 ON MAY 23	0 ON MAY 1	4 390	1984
1985	---	0.744 ON SEP 8	0 ON MAY 1	5 040	1985
1986	---	---	---	---	1986
				3 620	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

DRAIN T-1 NEAR TABER - STATION NO 05AG027

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1985	---	---	---	---	0.023	0.092	0.214	0.089	0.052	0.020	---	---	0.082	1985
1986	---	---	---	---	0.009	0.084	0.303	0.287	0.198	0.083	---	---	0.161	1986
MEAN	---	---	---	---	0.016	0.088	0.259	0.188	0.125	0.052	---	---	0.122	MEAN

LOCATION - LAT 49 48 10 N
LONG 112 13 52 W REGULATED

DRAIN T-1 NEAR TABER - STATION NO 05AG027

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1985	---	0.350 ON JUL 21	0 ON MAY 5 *	1 300	1985
1986	---	0.538 ON AUG 25 *	0 ON MAY 25	2 560	1986
				1 930	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

DRAIN T-11 NEAR FINCASTLE - STATION NO 05AG025

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	0.006	0.078	0.118	0.221	0.209	0.180	0.070	---	---	0.143	1973
1974	---	---	---	---	0.007	0.143	0.130	0.092	0.178	0.091	---	---	0.107	1974
1975	---	---	---	---	0.058	0.085	0.191	0.220	0.218	0.131	---	---	0.157	1975
1976	---	---	---	---	0.057	0.232	0.203	0.184	0.119	0.054	---	---	0.138	1976
1977	---	---	---	---	0.110	0.176	0.209	0.147	0.130	0.087	---	---	0.145	1977
1978	---	---	---	---	0.086	0.046	0.267	0.273	0.229	0.158	---	---	0.177	1978
1979	---	---	---	---	0.015	0.146	0.158	0.182	0.107	0.136	---	---	0.124	1979
1980	---	---	---	---	0.141	0.109	0.177	0.144	0.151	0.091	---	---	0.135	1980
1981	---	---	---	---	0.074	0.220	0.277	0.219	0.176	0.190	---	---	0.192	1981
1982	---	---	---	---	0.104	0.238	0.368	0.281	0.400	0.189	---	---	0.259	1982
1983	---	---	---	---	0.086	0.285	0.273	0.277	0.284	0.129	---	---	0.215	1983
1984	---	---	---	---	0.130	0.320	0.231	0.238	0.094	0.116	---	---	0.188	1984
MEAN	---	---	---	0.006	0.081	0.176	0.224	0.204	0.185	0.121	---	---	0.185	MEAN

LOCATION - LAT 49 52 50 N
LONG 112 00 49 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1978

DRAIN T-11 NEAR PINCASTLE - STATION NO 05AG025

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	0.378 ON JUN 15	0.001 ON MAY 10	2 270	1973
1974	---	0.288 ON SEP 11	0.001 ON MAY 9	1 890	1974
1975	---	---	---	---	1975
1976	---	0.483 ON AUG 17	0.006 ON OCT 31	2 500	1976
1977	---	0.380 ON JUN 8	0 ON MAY 5 *	2 180	1976
1978	---	0.334 ON JUN 30	0 ON MAY 1	2 300	1977
1979	---	0.418 ON AUG 23	0 ON JUN 15	2 610	1978
		0.363 ON AUG 25	0 ON MAY 27	1 870	1979
1980	---	---	---	---	
1981	---	0.431 ON MAY 24	0.003 ON MAY 1	2 150	1980
1982	---	0.510 ON JUL 26	0 ON MAY 1	3 080	1981
1983	---	0.755 ON JUL 2	0.006 ON MAY 15	4 120	1982
1984	---	0.855 ON JUL 8 *	0.005 ON OCT 27	3 420	1983
		0.711 ON JUN 22	0 B ON OCT 27	2 990	1984
				2 620	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

DRAIN T-2 NEAR TABER - STATION NO 05AG023

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	0.073	0.275	0.258	0.339	0.281	0.093	---	---	0.218	1972
1973	---	---	---	---	0.076	0.184	0.211	0.237	0.233	0.059	---	---	0.183	1973
1974	---	---	---	---	0.021	0.231	0.290	0.206	0.383	0.204	---	---	0.222	1974
1975	---	---	---	---	0.128	---	0.099	0.255	0.323	0.303	---	---	---	1975
1976	---	---	---	---	0.149	0.228	0.233	0.233	0.312	0.209	---	---	0.227	1976
1977	---	---	---	---	0.326	0.284	0.221	0.193	0.230	0.152	---	---	0.234	1977
1978	---	---	---	---	0.019	0.087	0.346	0.458	0.228	0.145	---	---	0.211	1978
1979	---	---	---	---	0.046	0.387	0.230	0.368	0.226	0.223	---	---	0.246	1979
1980	---	---	---	---	0.227	0.200	0.317	0.247	0.325	0.238	---	---	0.259	1980
1981	---	---	---	---	0.508	0.405	0.413	0.316	0.248	0.144	---	---	0.339	1981
1982	---	---	---	---	0.089	0.327	0.377	0.434	0.412	0.210	---	---	0.308	1982
1983	---	---	---	---	0.048	0.400	0.339	0.385	0.332	0.097	---	---	0.258	1983
1984	---	---	---	---	0.173	0.367	0.458	0.408	0.387	0.071	---	---	0.306	1984
MEAN	---	---	---	---	0.145	0.277	0.292	0.315	0.301	0.157	---	---	0.250	MEAN

LOCATION - LAT 49 48 30 N
LONG 112 10 45 W
REGULATED

DRAIN T-2 NEAR TABER - STATION NO 05AG023

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	---	---	---	
1973	---	1.06 ON JUN 3	0.0128 ON OCT 31	3 490	1972
1974	---	0.580 ON JUN 15	0.004 ON MAY 2	2 590	1973
		0.674 ON SEP 3	0.003 ON MAY 12	3 520	1974
1975	---	---	---	---	
1976	---	---	0.005 ON MAY 18	---	1975
1977	---	1.22 ON AUG 10	0.0098 ON OCT 31	3 510	1976
1978	---	0.549 ON MAY 23	0.002 ON MAY 1	3 730	1977
1979	---	1.63 ON AUG 23	0.005 ON MAY 21	3 380	1978
		1.45 ON AUG 24	0.004 ON MAY 24	3 910	1979
1980	---	---	---	---	
1981	---	0.810 ON MAY 24	0.006 ON MAY 6	4 110	1980
1982	---	5.19 ON MAY 24 *	0.004 ON MAY 21	5 390	1981
1983	---	0.830E ON SEP 27	0.008 ON MAY 2	4 890	1982
1984	---	0.881 ON JUL 7	0.001 ON MAY 8 *	4 280	1983
		0.743 ON JUL 30	0.001 ON MAY 1	4 870	1984
				3 980	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

DRIEDMEAT CREEK NEAR THE MOUTH - STATION NO 05FA018

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	0.084	0.038	0.039	0.031	0.636	---	---	---	1975
1976	---	---	0.117	0.712	---	---	---	---	---	---	---	---	---	1976
1977	---	---	0.036	0.073	0.081	0.034	0.013	0.024	0.026	0.037	---	---	0.040	1977
1978	---	---	0.098	0.365	0.055	0.043	0.018	0.033	0.338	0.224	---	---	0.144	1978
1979	---	---	0.842	2.35	0.664	0.035	0.082	0.009	0.013	0.087	---	---	0.513	1979
1980	---	---	0.019	1.28	0.088	0.127	0.136	0.052	0.044	0.040	---	---	0.220	1980
1981	---	---	0.531	0.824	0.068	0.032	0.081	0.003	0.003	0.008	---	---	0.185	1981
1982	---	---	0	1.74	0.841	0.081	4.50	0.737	0.121	0.097	---	---	0.993	1982
1983	---	---	0.278	3.08	0.292	0.465	4.42	0.131	0.046	0.053	---	---	1.09	1983
1984	---	---	0.146	0.095	0.037	0.067	0.029	0.006	0.024	0.033	---	---	0.055	1984
1985	---	---	1.31	2.10	0.202	0.042	0.030	0.038	0.057	0.041	---	---	0.474	1985
1986	---	---	2.18	0.595	0.135	0.042	0.080	0.039	0.068	0.053	---	---	0.403	1986
MEAN	---	---	0.514	1.18	0.226	0.094	0.853	0.101	0.072	0.082	---	---	0.410	MEAN

LOCATION - LAT 52 52 53 N
LONG 112 38 20 W
DRAINAGE AREA 1 150 km^2
NATURAL FLOW

DRIEDMEAT CREEK NEAR THE MOUTH - STATION NO. 05FA018

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	---	---	1975
1976	---	1.96 B ON APR 3	0 B ON MAR 1 *	---	1976
1977	---	0.181 ON MAY 16	0 ON AUG 7	---	1977
1978	---	0.680 ON SEP 28	0.007 ON JUL 28	855	1978
1979	---	5.17 A ON APR 19	0 ON AUG 22	3 050	1979
1980	3.94 AT 15 30 MST ON APR 16	3.39 ON APR 17	0.0018 ON MAR 1	10 900	1980
1981	---	1.50 ON APR 5	0.001 ON JUL 29	4 550	1981
1982	7.72 AT 18 55 MST ON JUL 8	7.59 ON JUL 9	0 B ON MAR 1	3 500	1982
1983	16.2 AT 15 28 MST ON JUL 1 *	14.3 ON JUL 1 *	0.006 ON JUN 14	21 000	1983
1984	---	0.806 ON JUN 9	0.001 ON AUG 15	23 100	1984
1985	---	5.55 B ON APR 2	0.002 ON AUG 1	1 180	1985
1986	---	5.31 B ON MAR 27	0.006 ON SEP 10	10 000	1986
				8 530	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

DRIFTPILE RIVER NEAR DRIFTPILE - STATION NO 07BH003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	0.228	5.75	25.6	22.8	5.33	4 8.82	3.26	3.05	---	---	9.80	1973
1974	---	---	0.295	25.5	29.8	3.88	15.5	2.35	2.57	2.40	---	---	10.3	1974
1975	---	---	0.247	3.77	8.88	22.0	14.8	9.44	7.22	1.75	---	---	8.80	1975
1976	---	---	0.313	14.8	10.2	19.1	12.4	27.6	8.19	2.11	---	---	11.8	1976
1977	---	---	0.485	15.1	23.1	12.8	25.3	2.74	3.80	2.09	---	---	10.7	1977
1978	---	---	0.255	9.08	13.6	13.0	2.78	1.69	14.4	2.23	---	---	7.08	1978
1979	---	---	0.389	4.73	30.3	28.1	28.7	1.10	0.872	0.859	---	---	11.9	1979
1980	---	---	0.039	5.35	5.56	5.19	2.85	4.81	8.58	1.82	---	---	4.25	1980
1981	---	---	0.386	9.44	9.37	10.6	4.26	0.589	0.442	0.817	---	---	4.43	1981
1982	---	---	0.126	1.17	19.1	1.55	9.86	13.9	1.05	0.889	---	---	5.98	1982
1983	---	---	0.045	1.31	2.12	27.3	36.6	4.45	2.79	1.63	---	---	9.51	1983
1984	---	---	0.384	3.35	13.5	15.3	6.21	2.04	4.79	1.77	---	---	5.90	1984
1985	---	---	0.383	14.1	22.7	6.30	1.76	1.01	10.7	7.52	---	---	8.04	1985
1986	---	---	0.420	7.54	19.8	5.11	29.7	4.23	2.21	7.55	---	---	9.83	1986
MEAN	---	---	0.284	8.71	16.8	13.8	14.0	5.05	5.07	2.57	---	---	8.41	MEAN

LOCATION - LAT 55 20 48 N, LONG 115 47 39 W DRAINAGE AREA, 837 km^2, NATURAL FLOW

DRIFTPILE RIVER NEAR DRIFTPILE - STATION NO 07BH003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	129 AT 09 30 MST ON MAY 21	111 ON JUN 17	0.1938 ON MAR 11	203 000	1973
1974	180 AT 15 00 MST ON JUL 13	136 ON JUL 13	0.2558 ON MAR 15	218 000	1974
1975	210 AT 18 00 MST ON JUN 28	193 ON JUN 28	0.2278 ON APR 8	182 000	1975
1976	188 AT 12 00 MST ON AUG 18	184 ON AUG 18	0.2188 ON MAR 3	250 000	1976
1977	109 AT 23 00 MST ON MAY 29	88.9 ON JUL 12	0.3548 ON MAR 21	226 000	1977
1978	104 AT 06 00 MST ON SEP 18	88.3 ON SEP 18	0.1538 ON MAR 8	149 000	1978
1979	220 AT 18 00 MST ON JUN 14	185 ON JUN 14	0.173 ON AUG 18	261 000	1979
1980	36 6 AT 15 00 MST ON MAY 28	31.4 ON MAY 28	0.0208 ON MAR 3 *	89 800	1980
1981	47 6 AT 05 30 MST ON APR 25	40.0 ON APR 25	0.2008 ON MAR 10	93 800	1981
1982	125 AT 13 40 MST ON AUG 3	111 ON AUG 4	0.0638 ON MAR 1	127 000	1982
1983	313 AT 13 00 MST ON JUN 26 *	262 ON JUN 26 *	0.0258 ON MAR 8	201 000	1983
1984	99 6 AT 22 30 MST ON JUN 7	67.8 ON JUN 8	0.1418 ON MAR 15	125 000	1984
1985	75 5 AT 06 30 MST ON MAY 4	57 1 ON MAY 4	0.1408 ON MAR 1	170 000	1985
1986	273 AT 22 00 MST ON JUL 18	191 ON JUL 18	0.2738 ON MAR 18	204 000	1986
				178 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

DRIFTWOOD RIVER NEAR THE MOUTH - STATION NO 07BK007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	0.053	0.489	5.31	17.0	9.42	4.40	3.18	1.88	---	---	---	1968
1969	---	---	0.562	12.2	13.1	6.18	1.94	1.07	7.23	10.7	---	---	---	1969
1970	---	---	0.478	4.25	18.6	28.6	76.2	10.9	4.38	1.46	0.745	0.061	---	1970
1971	0.012	0.019	0.019	7.76	11.6	28.8	63.4	9.80	3.16	1.30	0.755	0.851	10.7	1971
1972	0.888	0.280	0.288	3.83	26.9	24.9	16.5	6.75	2.62	3.25	2.35	1.10	7.46	1972
1973	0.787	0.570	0.884	5.11	23.6	43.2	14.8	8.23	4.84	5.55	4.32	2.45	9.53	1973
1974	1.85	1.82	1.06	30.3	57.2	9.93	27.2	8.22	9.08	6.59	3.06	1.82	13.3	1974
1975	1.12	0.378	0.350	3.88	21.6	32.2	42.1	16.1	16.0	5.89	3.28	1.02	12.2	1975
1976	0.807	0.584	0.458	5.88	4.38	8.85	19.5	23.6	16.6	7.56	3.17	0.108	7.82	1976
1977	0.148	0.241	0.735	9.06	29.1	32.4	22.8	11.1	8.47	7.00	2.87	1.25	10.5	1977
1978	0.836	0.675	0.838	11.6	30.3	21.5	7.46	2.09	22.2	10.3	3.07	1.45	9.36	1978
1979	0.848	0.826	0.787	2.01	29.5	28.1	35.7	7.30	1.17	0.511	0.372	0.364	8.99	1979
1980	0.281	0.270	0.288	3.84	2.78	4.09	4.44	13.4	13.1	9.03	4.21	1.21	4.74	1980
1981	0.496	0.359	0.520	7.18	12.1	7.51	8.22	2.28	0.185	0.197	0.339	0.087	3.30	1981
1982	0.001	0	0.087	3.45	20.3	4.83	19.3	17.7	3.73	1.16	0.858	0.417	6.04	1982
1983	0.287	0.311	0.307	4.11	7.47	12.5	56.4	30.8	8.19	4.28	2.64	1.50	10.7	1983
1984	0.410	0.350	0.275	3.53	10.5	26.1	19.9	4.79	10.8	6.65	3.48	2.34	7.45	1984
1985	1.28	1.25	0.777	14.9	36.3	7.18	3.71	1.83	4.12	7.57	2.27	1.19	7.06	1985
1986	1.03	0.857	0.581	5.21	17.5	13.8	24.5	11.2	1.54	1.44	0.805	0.555	6.67	1986
MEAN	0.832	0.524	0.478	7.27	20.0	18.8	24.9	10.1	7.40	4.84	2.25	1.03	8.48	MEAN

LOCATION - LAT 55 15 19 N
LONG 114 13 54 W

DRAINAGE AREA, 2 100 km²
NATURAL FLOW

DRIFTWOOD RIVER NEAR THE MOUTH - STATION NO 07BK007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1968	92.6 AT 01 30 MST ON JUN 14	85.1 ON JUN 14	---	---	1968
1969	30.3 AT 10 00 MST ON APR 30	29.7 ON APR 30	---	---	1969
1970	300 AT 10 30 MST ON JUN 30 *	280 ON JUN 30 *	---	---	1970
1971	246 AT 18 30 MST ON JUL 4	202 ON JUL 4	0.0028 ON JAN 24	338 000	1971
1972	92.3 AT 23 30 MST ON JUN 18	72.5 ON JUN 19	0.0858 ON MAR 28	235 000	1972
1973	156 AT 17 30 MST ON JUN 17	137 ON JUN 17	0.2048 ON JAN 3	301 000	1973
1974	130 AT 22 00 MST ON JUL 13	108 ON APR 28	0.8508 ON MAR 23	418 000	1974
1975	172 AT 14 00 MST ON JUN 28	150 ON JUN 28	0.1788 ON MAR 8	385 000	1975
1976	90.0 AT 13 30 MST ON AUG 27	77.3 ON AUG 27	0.0858 ON DEC 19	241 000	1976
1977	105 AT 03 30 MST ON JUN 3	85.1 ON JUN 3	0.0988 ON JAN 1	330 000	1977
1978	84.6 AT 14 00 MST ON APR 30	61.4 ON APR 30	0.4678 ON JAN 25	295 000	1978
1979	135 AT 15 00 MST ON JUL 14	122 ON JUL 14	0.1958 ON NOV 29	284 000	1979
1980	27.5 AT 07 00 MST ON AUG 6	25.9 ON AUG 8	0.1578 ON JAN 31	150 000	1980
1981	24.7 AT 18 30 MST ON JUL 23	21.4 ON APR 26	0.0028 ON DEC 29	104 000	1981
1982	69.2 AT 11 21 MST ON JUL 16	58.4 ON JUL 21	0 E ON JAN 25 *	190 000	1982
1983	129 AT 18 30 MST ON JUL 22	117 ON JUL 22	0.2678 ON JAN 28	337 000	1983
1984	82.5 AT 05 30 MST ON JUN 2	72.7 ON JUN 2	0.1848 ON MAR 14	236 000	1984
1985	90.8E AT 04 30 MST ON MAY 5	82.7E ON MAY 5	0.5948 ON MAR 17	223 000	1985
1986	84.9 AT 03 30 MST ON JUL 19	60.6 ON JUL 19	0.4188 ON MAR 4	210 000	1986
				267 000	MEAN

E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

DRY COULEE NEAR MAGRATH - STATION NO 05AE041

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	---	---	---	---	---	0.305	0.143	0.140	---	---	---	1980
1981	---	---	---	---	0.294	0.400	0.427	0.133	0.216	0.233	---	---	0.284	1981
1982	---	---	---	---	0.026	0.389	0.391	0.342	0.199	0.082	---	---	0.237	1982
1983	---	---	---	---	0.046	0.356	0.506	0.337	0.191	0.088	---	---	0.250	1983
1984	---	---	---	---	0.103	0.428	0.393	0.434	0.401	0.102	---	---	0.309	1984
1985	---	---	---	---	0.178	0.483	0.785	0.295	0.278	0.122	---	---	0.357	1985
1986	---	---	---	---	0.087	0.382	0.485	0.289	0.240	0.048	---	---	0.256	1986
MEAN	---	---	---	---	0.122	0.408	0.498	0.305	0.238	0.114	---	---	0.282	MEAN

LOCATION - LAT 49 29 39 N
LONG 112 55 48 W

DRAINAGE AREA, 54.9 km²
REGULATED

DRY COULEE NEAR MAGRATH - STATION NO 05AE041

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1980	---	---	---	---	1980
1981	---	5.72 ON JUN 14 *	0.004 ON MAY 2	4 510	1981
1982	---	3.08 ON JUL 2	0.002 ON OCT 17	3 780	1982
1983	---	1.53 ON JUL 5	0.007E ON OCT 15	3 970	1983
1984	---	1.30 ON JUL 31	0 ON MAY 12 *	4 910	1984
1985	---	3.16 ON SEP 12	0.006 ON MAY 11	5 660	1985
1986	---	1.14 ON JUL 9	0.008 ON MAY 1	4 080	1986
				4 490	MEAN

E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

DRYWOOD CREEK BELOW SOUTH DRYWOOD CREEK - STATION NO. 05AD036

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	0.930	1.49	6.96	6.74	3.55	1.27	0.676	0.836	0.477	---	2.80	1972
1973	---	---	0.277	0.559	3.04	2.57	0.875	0.328	0.244	0.228	---	---	0.989	1973
MEAN	---	---	0.604	1.02	5.00	4.66	2.11	0.799	0.460	0.533	0.477	---	1.89	MEAN

LOCATION - LAT 49 17 43 N DRAINAGE AREA, 79.8 km²
LONG 113 58 20 W NATURAL FLOW

DRYWOOD CREEK BELOW SOUTH DRYWOOD CREEK - STATION NO. 05AD036

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1972	---	20.9 ON MAY 31 *	0.1188 ON MAR 2 *	59 300	1972
1973	---	7.28 ON MAY 16	0.210E ON OCT 26	21 000	1973
				40 200	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

DRYWOOD CREEK NEAR THE MOUTH - STATION NO. 05AD010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1920	---	---	---	2.38	7.50	5.46	5.19	1.92	0.995	0.950	---	---	---	1920
1921	---	---	1.20	3.55	12.0	9.91	3.37	1.17	1.12	1.50	---	---	---	1921
1922	---	---	---	3.17	17.3	17.5	5.08	1.23	0.789	0.745	---	---	---	1922
1923	---	---	0.386	1.96	9.38	35.8	4.86	4.81	1.76	1.27	---	---	---	1923
1924	---	---	0.363	1.38	7.23	17.4	4.46	4.31	1.48	1.24	---	---	---	1924
1925	---	---	---	3.84	9.96	8.26	1.86	1.36	2.03	3.22	---	---	---	1925
1926	---	---	0.803	2.63	2.83	4.92	2.44	0.990	5.21	3.88	---	---	---	1926
1927	---	---	1.80	4.82	15.1	28.6	11.9	4.41	5.05	5.17	---	---	---	1927
1928	---	---	4.84	5.96	13.9	16.6	10.6	3.42	2.76	3.07	---	---	---	1928
1929	---	---	0.892	2.12	12.6	13.2	4.09	0.996	0.629	1.82	---	---	---	1929
1930	---	---	0.689	2.76	9.55	10.5	3.01	1.35	1.32	1.81	---	---	---	1930
1931	---	---	0.356	---	---	---	---	---	---	---	---	---	---	1931
1986	---	---	---	---	---	---	---	---	---	1.18	---	---	---	1986
1987	---	---	0.645	1.70	19.7	24.0	5.49	1.14	0.619	0.533	---	---	---	1987
1988	---	---	0.809	0.994	---	---	4.10	2.28	4.86	3.42	---	---	---	1988
1989	---	---	0.802	4.46	7.29	15.8	4.67	0.970	0.524	0.555	---	---	---	1989
1970	---	---	0.324	0.860	11.9	16.2	2.47	0.770	0.789	1.11	0.619	0.442	---	1970
1971	0.352	0.618	0.430	1.86	12.0	10.8	3.37	1.17	0.832	1.34	0.980	0.533	2.67	1971
1972	0.360	0.369	2.55	4.36	14.8	14.1	7.82	3.11	1.92	1.87	1.03	0.711	4.43	1972
1973	0.659	0.568	0.722	1.93	7.56	5.80	1.58	0.708	0.821	0.585	0.778	0.665	1.85	1973
1974	0.772	0.630	0.768	2.81	9.70	16.6	4.25	2.15	1.10	0.835	0.803	0.404	3.37	1974
1975	0.280	0.275	0.255	1.15	13.9	30.7	7.83	2.74	1.70	1.78	1.76	2.20	5.38	1975
1976	1.13	0.708	1.00	3.06	9.78	5.28	4.20	4.89	1.27	0.810	0.564	0.408	2.85	1976
1977	0.345	0.363	0.281	0.681	2.96	2.26	0.784	1.65	2.14	1.18	0.834	0.431	1.14	1977
1978	0.362	0.256	0.801	1.67	8.89	10.0	5.99	1.87	2.20	1.37	0.785	0.530	2.91	1978
1979	0.383	0.375	1.07	2.22	10.5	8.36	2.22	1.62	0.987	0.655	0.335	0.304	2.42	1979
1980	0.295	0.495	0.585	3.37	10.8	9.08	1.87	1.62	2.58	1.80	1.40	1.86	2.94	1980
1981	1.84	1.56	1.32	2.49	17.0	9.43	4.80	1.78	0.726	0.636	0.838	0.490	3.56	1981
1982	0.297	0.372	0.417	1.18	4.80	10.8	3.91	1.05	0.864	1.01	0.870	0.481	2.15	1982
1983	0.422	0.420	0.528	1.40	5.70	5.41	2.51	0.945	0.609	0.432	0.456	0.409	1.69	1983
1984	0.805	0.341	0.375	1.08	4.24	5.15	1.89	1.15	0.725	2.00	0.898	0.634	1.67	1984
1985	0.353	0.289	0.505	1.80	5.08	5.29	1.22	1.94	5.48	4.39	2.09	1.18	2.84	1985
1986	1.03	2.32	2.53	4.13	9.90	7.73	1.55	0.792	2.89	5.19	2.44	1.85	3.51	1986
MEAN	0.582	0.618	0.983	2.60	10.2	12.8	4.17	1.94	1.88	1.77	0.981	0.784	2.83	MEAN

LOCATION - LAT 49 17 38 N DRAINAGE AREA, 236 km²
LONG 113 47 35 W NATURAL FLOW

DRYWOOD CREEK NEAR THE MOUTH - STATION NO 05AD010

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1920	---	11.9 ON MAY 18	---	---	1920
1921	---	25.5 E ON MAY 23	---	---	1921
1922	---	31.7 ON JUN 6	---	---	1922
1923	---	94.3 ON JUN 1	---	---	1923
1924	---	39.9 ON JUN 7	---	---	1924
1925	---	17.2 ON JUN 14	---	---	1925
1926	---	14.3 ON SEP 9	---	---	1926
1927	---	47.3 ON JUN 11	---	---	1927
1928	---	30.5 ON JUL 1	---	---	1928
1929	---	21.8 ON MAY 26	---	---	1929
1930	---	17.0 ON MAY 4	---	---	1930
1931	---	---	---	---	1931
1966	---	---	---	---	1966
1967	54.9 AT 21:30 MST ON MAY 17	48.7 ON MAY 22	---	---	1967
1968	---	---	---	---	1968
1969	70.8 AT 15:11 MST ON JUN 26	61.4 ON JUN 26	---	---	1969
1970	---	41.6 ON JUN 14	---	---	1970
1971	26.2 AT 05:30 MST ON MAY 28	24.7 ON MAY 31	0.2838 ON JAN 1	90 500	1971
1972	34.8 AT 03:40 MST ON JUN 1	32.8 ON JUN 1	0.1598 ON MAR 6 *	140 000	1972
1973	17.4 AT 06:00 MST ON MAY 19	16.4 ON MAY 19	0.3548 ON DEC 19	58 400	1973
1974	26.3 AT 08:50 MST ON JUN 13	25.1 ON JUN 13	0.2978 ON DEC 27	106 000	1974
1975	286 AT 03:30 MST ON JUN 20 *	181 ON JUN 20 *	0.2388 ON JAN 14	170 000	1975
1976	19.1 AT 18:15 MST ON MAY 11	18.0 ON MAY 11	0.3318 ON DEC 29	80 200	1976
1977	4.76 AT 00:00 MST ON MAY 12	4.39 ON MAY 12	0.2328 ON MAR 19	36 100	1977
1978	22.8 AT 09:10 MST ON JUN 6	21.5 ON JUN 6	0.1818 ON FEB 9	91 600	1978
1979	22.6 AT 08:45 MST ON MAY 27	21.1 ON MAY 27	0.1828 ON NOV 28	76 300	1979
1980	81.7 AT 11:50 MST ON MAY 28	49.6 ON MAY 28	0.2648 ON JAN 8	92 [illegible]00	1980
1981	82.3 AT 09:10 MST ON MAY 22	68.7 ON MAY 22	0.2308 ON DEC 31	112 000	1981
1982	15.8 AT 15:15 MST ON JUN 5	15.3 ON JUN 5	0.1858 ON JAN 4	67 800	1982
1983	16.3 AT 12:10 MST ON MAY 26	15.6 ON MAY 26	0.284 ON OCT 27	53 200	1983
1984	13.6 AT 04:50 MST ON MAY 31	12.4 ON MAY 31	0.2598 ON FEB 23	52 900	1984
1985	27.3 AT 22:05 MST ON SEP 12	20.6 ON SEP 13	0.1908 ON FEB 5	80 100	1985
1986	22.1 AT 04:10 MST ON MAY 29	21.4 ON MAY 29	0.5478 ON JAN 4	111 000	1986
				89 300	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

DRYWOOD CREEK NEAR TWIN BUTTE : STATION NO 05AD015

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1935	---	---	---	0 234	1 35	1 76	0 545	0 175	0 12	0 125	---	---	0 605	1935
1936	---	---	---	0 337	1 68	1 66	0 365	0 186	0 195	0 183	---	---	0 662	1936
1937	---	---	---	0 134	42	2 77	0 577	0 181	0 113	0 152	---	---	0 763	1937
1938	---	---	---	0 278	2 41	2 64	0 864	0 273	0 179	0 155	---	---	0 986	1938
1939	---	---	0 057	0 372	1 28	1 45	0 366	0 181	0 155	0 261	---	---	0 579	1939
1940	---	---	---	0 190	1 62	1 10	0 627	0 326	0 435	0 476	---	---	0 685	1940
1941	---	---	0 171	0 354	0 676	0 690	0 601	0 367	0 486	0 521	0 457	---	0 587	1941
1942	---	---	---	0 486	1 27	3 01	1 05	0 665	0 925	0 517	---	---	1 30	1942
1943	---	---	---	---	1 75	2 80	1 46	0 335	0 175	0 160	---	---	---	1943
1944	---	---	---	0 152	0 566	1 51	0 526	0 284	0 256	0 184	---	---	0 510	1944
1945	---	---	---	---	1 48	3 81	0 735	0 245	0 219	---	---	---	---	1945
1946	---	---	---	0 316	1 94	2 16	0 626	0 240	0 472	0 553	---	---	0 599	1946
1947	---	---	---	0 537	2 32	1 52	0 606	0 286	0 732	1 03	---	---	1 06	1947
1948	---	---	---	---	1 76	3 54	0 734	0 501	0 230	0 154	---	---	---	1948
1949	---	---	---	---	1 88	1 76	0 559	0 216	0 239	0 223	---	---	---	1949
1950	---	---	---	0 171	1 52	3 26	1 26	0 374	0 190	0 205	---	---	1 04	1950
1951	---	---	---	0 559	3 46	3 75	2 60	0 816	1 70	0 595	---	---	1 99	1951
1952	---	---	---	0 771	1 57	1 20	0 753	1 02	0 318	0 208	---	---	0 835	1952
1953	---	---	0 111	0 466	2 39	5 14	1 51	0 301	0 182	0 157	---	---	1 44	1953
1954	---	---	0 071	0 125	2 45	3 06	1 79	0 488	0 680	0 829	---	---	1 35	1954
1955	---	---	---	0 245	1 43	3 36	1 35	0 305	0 158	0 240	---	---	1 02	1955
1956	---	---	---	0 344	2 60	2 18	1 23	0 298	0 165	0 149	---	---	0 895	1956
1957	---	---	---	0 180	3 35	2 12	0 442	0 183	0 272	0 501	---	---	1 01	1957
1958	---	---	0 131	0 219	2 95	2 52	0 855	0 312	0 181	0 174	---	---	1 04	1958
1959	---	---	0 110	0 415	1 82	3 15	1 10	0 283	0 384	0 571	---	---	1 11	1959
1960	---	---	---	0 540	1 64	2 26	0 702	0 275	0 121	0 107	---	---	0 803	1960
1961	---	---	---	0 158	2 31	2 25	0 384	0 204	0 300	0 536	---	---	0 816	1961
1962	---	---	---	0 692	1 25	2 04	0 625	0 224	0 224	0 173	---	---	0 745	1962
1963	---	---	0 134	0 192	1 48	2 77	1 27	0 300	0 206	0 186	---	---	0 814	1963
1964	---	---	---	0 207	2 17	4 81	0 904	0 241	0 190	0 310	---	---	1 26	1964
1965	---	---	---	0 412	1 50	3 88	1 20	0 429	0 450	0 684	---	---	1 19	1965
1966	---	---	---	0 319	2 00	2 40	0 801	0 350	0 275	0 270	---	---	0 914	1966
1967	---	---	---	0 413	3 09	4 34	1 23	0 745	0 144	0 127	---	---	1 37	1967
1968	---	---	0 203	0 206	1 71	2 44	0 920	0 506	1 08	0 846	---	---	1 10	1968
1969	---	---	0 116	0 574	1 60	3 17	1 00	0 235	0 138	0 120	---	---	0 972	1969
1970	---	---	---	---	---	---	3 12	---	---	0 152	0 169	---	---	1970
1971	---	---	0 090	0 228	2 35	2 50	0 741	0 185	0 184	0 248	---	---	0 815	1971
1972	---	---	0 196	0 430	2 70	3 73	1 74	0 634	0 377	0 357	---	---	1 42	1972
1973	---	---	0 106	0 183	1 36	1 30	0 376	0 189	0 151	0 156	---	---	0 527	1973
1974	---	---	0 126	0 412	1 72	3 37	0 932	0 466	0 213	0 165	---	---	1 03	1974
1975	---	---	0 053	0 081	1 86	5 92	1 61	0 540	0 366	0 361	---	---	1 55	1975
1976	---	---	0 131	0 439	2 17	1 67	0 994	1 16	0 298	0 191	---	---	0 990	1976
1977	---	---	---	0 139	0 536	0 528	0 216	0 237	0 343	0 221	---	---	0 332	1977
1978	---	---	---	0 237	1 70	2 16	1 25	0 361	0 437	0 286	---	---	0 922	1978
1979	---	---	---	0 183	1 67	1 77	0 526	0 479	0 226	0 134	---	---	0 713	1979
1980	---	---	---	0 561	2 20	1 84	0 440	0 318	0 456	0 320	---	---	0 875	1980
1981	---	---	---	0 405	2 94	1 97	0 960	0 378	0 165	0 126	---	---	0 994	1981
1982	---	---	---	0 179	0 956	2 34	0 784	0 251	0 155	0 198	---	---	0 892	1982
1983	---	---	---	0 212	1 64	1 18	0 521	0 239	0 142	0 115	---	---	0 580	1983
1984	---	---	---	0 144	0 856	1 44	0 487	0 225	0 195	0 366	---	---	0 525	1984
1985	---	---	---	0 235	1 40	1 03	0 306	0 413	1 07	0 867	---	---	0 775	1985
1986	---	---	---	0 643	2 02	1 87	0 350	0 170	0 466	0 664	---	---	0 916	1986
MEAN	---	---	0 121	0 330	1 87	2 52	0 880	0 357	0 339	0 334	0 407	---	0 844	MEAN

LOCATION : LAT 49 18 00 N DRAINAGE AREA 29 3 km²
LONG 114 00 20 W NATURAL FLOW

DRYWOOD CREEK NEAR TWIN BUTTE - STATION NO. 05AD015

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1935	3.08 AT 07 00 MST ON MAY 23	3.03 ON MAY 23	0.089 ON SEP 11	11 200	1935
1936	4.42 AT 08 00 MST ON JUN 1	4.22 ON JUN 1	0.0578 ON APR 1	12 200	1936
1937	12.6 ON JUN 13	11.4 ON JUN 13	0.074 ON APR 6	14 100	1937
1938	6.33 AT 17 00 MST ON MAY 25	6.06 ON MAY 25	0.057 ON APR 1	18 300	1938
1939	3.19 ON JUN 16	3.11 ON JUN 16	0.105 ON APR 3	10 700	1939
1940	4.87 ON JUL 27	3.87 ON JUL 27	0.113E ON APR 1	12 700	1940
1941	---	1.87 ON JUN 2	0.238 ON APR 2	10 800	1941
1942	18.9 ON JUN 5	11.9 ON JUN 5	0.0578 ON APR 1	24 000	1942
1943	---	4.62 ON JUN 16	---	---	1943
1944	---	5.35 ON JUN 17	0.091 ON APR 15	9 430	1944
1945	---	5.61 ON JUN 10	---	---	1945
1946	---	5.38 ON MAY 26	0.105 ON APR 4	15 800	1946
1947	4.19 ON MAY 3	3.88 ON MAY 3	0.204 ON APR 6	19 800	1947
1948	---	11.7 ON JUN 17	---	---	1948
1949	---	4.81 ON JUN 1	---	---	1949
1950	6.46 AT 21 00 MST ON JUN 15	5.32 ON JUN 15	0.1138 ON APR 1	19 300	1950
1951	6.88 AT 02 00 MST ON JUN 15	6.40 ON JUN 15	0.1708 ON APR 1	35 800	1951
1952	5.30 AT 23 50 MST ON AUG 7	3.78 ON AUG 8	0.147 ON APR 11	15 400	1952
1953	15.4 AT 04 00 MST ON JUN 4	12.9 ON JUN 4	0.1138 ON APR 1	25 700	1953
1954	8.84 AT 20 00 MST ON MAY 19	8.12 ON MAY 19	0.0858 ON APR 1	24 900	1954
1955	8.12 AT 07 00 MST ON MAY 20	5.32 ON MAY 20	0.1138 ON APR 1	18 800	1955
1956	6.43 AT 23 00 MST ON MAY 20	5.89 ON MAY 21	0.1138 ON APR 1	18 400	1956
1957	5.24 AT 03 00 MST ON MAY 15	4.83 ON MAY 15	0.0858 ON APR 1	18 700	1957
1958	4.63 AT 14 00 MST ON MAY 12	4.22 ON MAY 12	0.086 ON APR 9	19 100	1958
1959	5.82 AT 21 00 MST ON JUN 5	5.30 ON JUN 6	0.133 ON APR 1	20 800	1959
1960	5.98 AT 01 00 MST ON MAY 13	4.96 ON MAY 12	0.102 ON OCT 6	14 900	1960
1961	6.31 AT 03 00 MST ON MAY 27	5.06 ON MAY 27	0.091 ON APR 1	18 200	1961
1962	6.63 AT 15 00 MST ON JUN 14	5.06 ON JUN 14	0.1138 ON APR 1	13 800	1962
1963	6.80 AT 10 00 MST ON JUN 10	5.41 ON JUN 10	0.083 ON APR 1	16 900	1963
1964	33.4 AT 11 30 MST ON JUN 8	25.3 ON JUN 8	0.0748 ON APR 1	33 200	1964
1965	17.6 AT 15 00 MST ON JUN 17	12.6 ON JUN 17	0.0748 ON APR 3	21 900	1965
1966	4.96 AT 22 00 MST ON JUN 6	4.50 ON JUN 6	0.1702 ON APR 1	16 900	1966
1967	8.10 AT 22 00 MST ON MAY 21	7.53 ON MAY 22	0.1138 ON APR 1	25 200	1967
1968	6.03 AT 23 00 MST ON JUN 7	5.10 ON JUN 8	0.143 ON APR 16	20 300	1968
1969	13.5 AT 16 00 MST ON JUN 26	11.0 ON JUN 26	0.110 ON OCT 31	18 000	1969
1970	11.0 AT 18 00 MST ON JUN 13	8.18 ON JUN 14	---	---	1970
1971	5.30 AT 00 30 MST ON MAY 28	4.93 ON MAY 31	0.074 ON AUG 26	16 900	1971
1972	8.78 AT 23 30 MST ON MAY 31	7.96 ON JUN 1	0.292 ON OCT 29	26 300	1972
1973	4.08 AT 01 40 MST ON MAY 18	3.85 ON MAY 18	0.091 ON APR 2	9 760	1973
1974	6.63 AT 05 30 MST ON MAY 28	5.90 ON JUN 18	0.1338 ON APR 3	19 100	1974
1975	38.8 ON JUN 20 *	27.9 ON JUN 19 *	0.0488 ON APR 4 *	34 700	1975
1976	4.45 AT 03 50 MST ON MAY 11	4.08 ON MAY 11	0.153 ON OCT 31	18 300	1976
1977	0.971 AT 09 00 MST ON MAY 11	0.926 ON MAY 11	0.082 ON APR 13	6 140	1977
1978	4.81 AT 05 00 MST ON JUN 6	4.36 ON JUN 6	0.106 ON APR 3	17 000	1978
1979	5.69 AT 21 20 MST ON AUG 31	4.09 ON MAY 27	0.0848 ON APR 4	13 200	1979
1980	7.32 AT 13 35 MST ON MAY 26	6.44 ON MAY 26	0.0588 ON APR 10	15 200	1980
1981	10.8 AT 10 10 MST ON MAY 22	10.2 ON MAY 22	0.105 ON OCT 9	18 400	1981
1982	3.28 AT 03 45 MST ON JUN 14	3.10 ON JUN 13	0.0848 ON APR 7	12 800	1982
1983	3.75 AT 01 55 MST ON MAY 26	3.56 ON MAY 26	0.0848 ON APR 5	10 700	1983
1984	2.99 AT 23 40 MST ON MAY 30	2.48 ON MAY 31	0.0508 ON APR 3	9 710	1984
1985	---	3.58 E ON SEP 13	0.0588 ON APR 7	14 300	1985
1986	5.90 AT 02 15 MST ON MAY 29	5.69 ON MAY 29	0.115 ON AUG 29	15 900	1986
				17 500	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

DUNKIRK RIVER NEAR FORT MACKAY - STATION NO. 07DB003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	---	---	16.1	7.38	2.90	0.672	---	1975
1976	0.030	0.110	0.217	16.1	7.28	4.38	3.60	2.45	2.21	1.98	0.743	0.353	3.26	1976
1977	0.180	0.131	0.158	3.14	4.70	5.02	7.77	3.25	0.853	1.90	0.410	0.187	2.25	1977
1978	0.090	0.083	0.046	2.28	15.5	7.23	1.97	1.46	23.1	14.8	1.96	0.817	5.78	1978
1979	0.287	0.195	0.230	---	---	---	---	---	---	---	---	---	---	1979
MEAN	0.162	0.125	0.183	7.17	8.15	5.83	4.45	2.05	10.1	6.52	1.40	0.282	3.76	MEAN

LOCATION - LAT. 56 61 30 N
LONG 112 42 40 W
DRAINAGE AREA 1 970 km^2
NATURAL FLOW

DUNKIRK RIVER NEAR FORT MACKAY - STATION NO. 07DB003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	---	---	1975
1976	31.1 AT 19 00 MST ON APR 30	30.9 ON APR 31	0.0288 ON JAN 1	103 000	1976
1977	11.8 AT 20 35 MST ON JUL 10	11.8 ON JUL 10	0.1058 ON MAR 17	70 900	1977
1978	34.0 AT 15 00 MST ON SEP 16 *	33.7 ON SEP 16 *	0.0248 ON FEB 28 *	182 000	1978
1979	---	0.3838 ON JAN 1	0.1908 ON FEB 11	---	1979
				119 000	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

DUTCH CREEK NEAR THE MOUTH - STATION NO. 05AA026

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	5.41	2.73	0.976	0.592	0.484	---	---	---	1966
1967	---	---	---	---	5.97	13.3	3.64	0.953	0.487	0.398	---	---	---	1967
1968	---	---	0.398	0.582	4.82	7.31	2.61	1.13	1.14	1.61	---	---	3.22	1968
1969	---	---	0.198	1.96	5.55	7.05	3.35	0.836	0.693	0.835	---	---	3.04	1969
1970	---	---	0.126	0.172	3.31	5.30	1.31	0.963	0.648	0.443	---	---	2.86	1970
1971	---	---	0.148	0.822	7.21	7.43	2.26	0.944	0.695	0.789	---	---	1.90	1971
1972	---	---	0.563	1.17	9.89	11.7	3.42	1.74	1.32	1.16	---	---	3.19	1972
1973	---	---	0.228	0.592	3.89	4.86	1.58	0.965	0.637	0.389	---	---	4.85	1973
1974	---	---	0.194	1.26	5.92	12.2	3.21	1.30	0.837	0.903	---	---	1.93	1974
1975	---	---	---	---	4.76	9.86	3.63	1.93	0.783	0.709	---	---	4.10	1975
1976	---	---	---	---	7.17	3.37	1.64	4.33	1.35	0.695	---	---	3.51	1976
1977	---	---	---	---	2.23	1.82	0.709	0.923	0.983	0.602	---	---	3.13	1977
1978	---	---	---	---	6.04	7.64	3.76	1.41	0.965	0.737	---	---	1.21	1978
1979	---	---	---	---	5.31	4.59	1.33	0.783	0.622	0.330	---	---	3.41	1979
1980	---	---	---	---	5.35	3.01	1.31	0.836	0.622	0.677	---	---	2.12	1980
1981	---	---	---	---	8.33	4.80	3.20	1.17	0.815	0.521	---	---	3.64	1981
1982	---	---	---	---	4.23	6.69	2.00	0.735	0.814	0.814	---	---	2.80	1982
1983	---	---	---	---	3.16	3.14	1.48	0.707	0.470	0.390	---	---	1.58	1983
1984	---	---	---	---	1.83	4.09	1.76	0.748	0.592	0.487	---	---	1.95	1984
1985	---	---	---	---	3.28	3.95	0.988	0.594	1.11	1.19	---	---	1.84	1985
1986	---	---	---	---	7.09	5.40	1.68	0.780	0.857	0.983	---	---	3.78	1986
MEAN	---	---	0.253	0.921	5.35	6.81	2.28	1.13	0.730	0.674	---	---	3.17	MEAN

LOCATION - LAT 49 54 08 N
LONG 114 25 49 W
DRAINAGE AREA, 143 km²
NATURAL FLOW

DUTCH CREEK NEAR THE MOUTH - STATION NO. 05AA026

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1966	---	13.0 ON JUN 1	---	---	1966
1967	37.9 AT 17 00 MST ON MAY 30 *	32.2 ON MAY 30 *	0.3400 ON OCT 31	87 200	1967
1968	13.2 AT 01 10 MST ON MAY 23	13.1 ON JUN 10	0.816 ON SEP 11	63 400	1968
1969	14.8 AT 09 55 MST ON JUN 28	14.0 ON JUN 26	0.425 ON SEP 28	67 900	1969
1970	8.95 AT 22 00 MST ON JUN 4	8.07 ON JUN 4	0.289 ON MAY 1	30 200	1970
1971	16.4 AT 21 30 MST ON MAY 27	14.7 ON JUN 6	0.481 ON SEP 28	50 800	1971
1972	39.9 AT 21 50 MST ON MAY 31	36.1 ON MAY 31	0.8898 ON OCT 28	77 200	1972
1973	12.1 AT 21 00 MST ON JUN 3	8.87 ON JUN 8	0.345 ON OCT 8	30 700	1973
1974	22.1 AT 02 10 MST ON JUN 17	20.6 ON JUN 17	0.4228 ON OCT 31	85 100	1974
1975	27.0 AT 01 15 MST ON JUN 30	21.5 ON JUN 30	0.583 ON OCT 28	85 700	1975
1976	30.5 AT 24 00 MST ON AUG 5	13.8 ON AUG 5	0.681 ON OCT 31	69 800	1976
1977	---	4.706 ON MAY 11	0.401 ON OCT 31	16 200	1977
1978	18.4 AT 03 40 MST ON JUN 6	16.8 ON JUN 6	0.4598 ON OCT 31	84 300	1978
1979	15.5 AT 23 05 MST ON MAY 28	12.9 ON MAY 28	0.1838 ON OCT 30 *	33 700	1979
1980	12.3 AT 00 00 MST ON MAY 1	10.4 ON MAY 1	0.556 ON SEP 11	33 700	1980
1981	24.8 AT 23 20 MST ON MAY 25	21.6 ON MAY 25	0.433 ON OCT 31	64 800	1981
1982	11.3 AT 22 35 MST ON JUN 15	10.1 ON JUN 15	0.528 ON OCT 31	39 800	1982
1983	6.83 AT 00 15 MST ON MAY 30	6.25 ON MAY 30	0.3414 ON OCT 31	34 700	1983
1984	6.85 AT 00 25 MST ON MAY 31	5.91 ON JUN 15	0.3388 ON OCT 31	34 700	1984
1985	17.6 AT 23 30 MST ON JUN 7	11.9 ON JUN 8	0.482 ON SEP 1	35 200	1985
1986	31.2 AT 21 05 MST ON MAY 28	18.4 ON MAY 28	0.470 ON AUG 28	63 800	1986
				44 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

EAST CABIN CREEK NEAR MUSKEG - STATION NO. 07AC003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	0.100	---	---	---	---	---	1972
1973	---	---	---	---	0.193	0.191	0.126	0.063	0.054	---	---	---	---	1973
1974	---	---	---	---	0.176	0.190	0.191	0.087	---	---	---	---	---	1974
MEAN	---	---	---	---	0.184	0.191	0.149	0.077	0.054	---	---	---	---	MEAN

LOCATION - LAT 53 46 00 N
LONG 118 32 00 W
DRAINAGE AREA, 12.4 km²
NATURAL FLOW

EAST CABIN CREEK NEAR MUSKEG - STATION NO. 07AC003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1972	---	---	---	---	1972
1973	0.6359 AT 19 00 MST ON MAY 13 *	0.6358 ON MAY 13 *	0.0 ON MAY 1 *	---	1973
1974	0.338 AT 22 30 MST ON JUL 15	0.287 ON MAY 28	---	---	1974
				---	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

EAST PRAIRIE RIVER NEAR ENILDA - STATION NO 07BF001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1921	---	---	---	---	12 4	10 6	13 9	8 88	5 18	2 95	---	---	---	1921
1922	---	---	---	---	20 5	6 19	2 87	0 807	0 804	0 887	---	---	---	1922
1923	---	---	---	13 9	12 3	10 2	28 2	4 37	1 81	1 38	---	---	---	1923
1924	---	---	---	1 40	10 4	3 79	11 4	19 5	13 8	5 11	---	---	---	1924
1925	---	---	---	---	7 85	4 05	5 43	8 59	4 88	3 82	---	---	---	1925
1926	---	---	---	12 5	20 4	31 0	3 11	0 844	10 8	5 71	---	---	---	1926
1927	---	---	---	6 84	20 7	88 9	79 5	4 32	4 30	5 53	---	---	---	1927
1928	---	---	0 930	33 7	27 8	15 4	6 51	3 43	4 07	2 85	---	---	10 3	1928
1929	---	---	---	31 2	35 1	11 5	22 0	12 3	14 5	9 38	---	---	---	1929
1930	---	---	---	8 75	29 5	57 1	13 5	2 78	1 87	1 76	---	---	---	1930
1931	---	---	0 010	2 95	8 46	4 19	2 17	3 70	1 91	2 36	---	---	3 22	1931
1932	---	---	0 380	9 33	17 3	19 8	4 41	0 814	1 13	0 857	---	---	6 35	1932
1933	---	---	0 123	2 37	11 7	5 08	24 6	1 80	1 13	1 34	---	---	6 20	1933
1934	---	---	0 282	23 3	35 8	9 85	8 71	3 80	4 67	2 12	---	---	10 8	1934
1935	---	---	0 386	26 8	32 3	7 57	1 94	2 82	2 13	0 595	---	---	9 64	1935
1936	---	---	0 018	2 90	34 4	5 87	20 5	37 6	11 7	6 99	---	---	15 2	1936
1937	---	---	0 380	33 5	41 6	22 8	17 6	17 2	12 0	3 89	---	---	18 6	1937
1938	---	---	0 530	30 0	24 2	6 78	2 87	4 26	2 84	0 895	---	---	7 78	1938
1939	---	---	0 298	3 13	24 3	6 88	1 94	1 11	0 460	0 568	---	---	4 85	1939
1940	---	---	0 873	2 20	8 85	18 1	9 72	3 70	2 86	1 56	---	---	5 92	1940
1941	---	---	0 811	13 5	8 83	2 09	0 832	1 17	8 22	4 33	---	---	4 78	1941
1942	---	---	0 603	13 8	23 3	15 2	11 9	4 53	3 27	2 45	---	---	9 32	1942
1943	---	---	0 432	21 7	14 2	52 1	45 9	5 19	2 20	2 11	---	---	19 1	1943
1944	---	---	0 878	9 87	24 5	16 9	9 45	4 44	2 28	2 32	---	---	8 84	1944
1945	---	---	0 461	18 2	41 1	36 9	8 14	10 8	4 88	4 24	---	---	15 7	1945
1946	---	---	0 960	32 5	51 7	8 01	24 1	3 38	3 08	2 58	---	---	18 2	1946
1947	---	---	0 630	9 88	13 4	33 8	20 2	5 80	5 96	2 97	---	---	11 5	1947
1948	---	---	0 847	31 2	15 7	32 7	23 7	42 4	13 8	5 21	---	---	20 7	1948
1949	---	---	1 16	28 9	40 5	30 1	35 9	4 07	5 17	2 71	---	---	18 7	1949
1950	---	---	0 980	13 2	17 2	25 4	4 33	3 13	16 2	5 70	---	---	10 5	1950
1951	---	---	0 869	11 1	90 0	53 6	48 8	3 53	2 11	1 72	---	---	21 4	1951
1952	---	---	0 234	11 7	8 29	10 9	11 1	5 45	14 1	4 00	---	---	8 44	1952
1953	---	---	1 62	19 1	15 4	12 3	8 02	2 30	0 738	1 13	---	---	7 42	1953
1954	---	---	0 083	3 13	23 8	3 85	11 1	21 2	3 05	1 67	---	---	8 44	1954
1955	---	---	0 133	3 77	4 12	46 7	50 7	9 93	4 65	3 09	---	---	15 1	1955
1956	---	---	0 984	9 90	22 0	18 8	7 87	4 90	8 51	3 16	---	---	8 92	1956
1957	---	---	1 99	20 3	24 1	4 17	0 801	2 39	10 5	7 33	---	---	10 1	1957
1958	---	---	1 33	14 0	25 2	6 87	41 2	7 95	3 57	11 4	---	---	14 0	1958
MEAN	---	---	0 599	14 9	22 8	19 8	17 0	7 58	5 71	3 40	---	---	11 4	MEAN

LOCATION - LAT 55 25 00 N DRAINAGE AREA 1 460 km²
LONG 118 20 30 W NATURAL FLOW

EAST PRAIRIE RIVER NEAR ENILDA - STATION NO 07BF001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1921	---	34 3 ON JUL 18	---	---	
1922	---	44 5 ON MAY 10	---	---	1921
1923	---	103 ON JUL 5	0 8 ON APR 1 *	---	1922
1924	90 6 AT 17 15 MST ON AUG 30	55 5 ON AUG 31	0 8 ON APR 1	---	1923
1925	---	75 28 ON APR 12	---	---	1924
1926	---	85 1 ON JUN 11	---	---	1925
1927	---	245 ON JUN 25	---	---	1926
1928	---	131 8 ON APR 25	0 8 ON MAR 1	319 000	1927
1929	---	140 ON JUL 22	---	---	1928
1930	---	116 ON JUN 4	---	---	1929
1931	20 2 AT 19 00 MST ON MAY 18	19 8 ON MAY 18	0 8 ON MAR 1	68 200	1930
1932	---	---	---	---	1931
1933	90 3 AT 13 00 MST ON JUL 2	84 6 ON JUN 23	0 1428 ON MAR 2	134 000	1932
1934	85 0 AT 00 00 MST ON APR 23	86 1 ON JUL 2	0 0858 ON MAR 1	131 000	1933
1935	---	79 5R ON APR 23	0 2278 ON MAR 1	229 000	1934
1936	---	83 3 ON APR 25	0 136 ON OCT 28	202 000	1935
1937	---	158 ON MAY 8	0 0088 ON MAR 1	323 000	1936
1938	---	176 ON JUN 29	0 2188 ON MAR 1	393 000	1937
1939	---	83 0 ON MAY 8	0 4368 ON MAR 7	169 000	1938
1940	---	61 1 ON MAY 8	0 2558 ON MAR 15	103 000	1939
1941	---	78 2 ON JUN 14	0 1988 ON MAR 1	125 000	1940
1942	---	63 9 ON APR 15	0 0408 ON MAR 1	101 000	1941
1943	76 5 AT 11 30 MST ON JUN 29	61 4 ON JUN 30	0 2978 ON MAR 1	187 000	1942
1944	338 AT 23 00 MST ON JUL 4	278 ON JUL 4	0 3088 ON MAR 20	405 000	1943
1945	---	79 5 ON APR 30	0 2558 ON MAR 8	187 000	1944
1946	338 AT 21 00 MST ON JUN 17	191 ON JUN 17	0 2788 ON MAR 10	331 000	1945
1947	---	199 ON JUL 13	0 4848 ON MAR 15	385 000	1946
1948	388 AT 20 30 MST ON JUN 29 *	323 ON JUN 29	0 3688 ON APR 4	244 000	1947
1949	347 AT 23 00 MST ON AUG 18	180 ON AUG 18	0 8238 ON MAR 24	439 000	1948
1950	316 AT 09 00 MST ON JUL 13	169 ON JUL 13	0 9498 ON MAR 23	395 000	1949
1951	312 AT 20 00 MST ON JUN 15	128 ON JUN 15	0 2838 ON MAR 5	225 000	1950
1952	385 AT 00 30 MST ON JUL 3	348 ON JUN 15 *	0 4538 ON MAR 1	454 000	1951
1953	88 1 AT 21 00 MST ON MAY 28	87 2 ON MAY 29	0 1988 ON MAR 5	179 000	1952
1954	90 5 AT 00 00 MST ON APR 26	37 5 ON APR 26	0 4008 ON MAR 1	167 000	1953
1955	230 AT 14 30 MST ON AUG 4	178 ON AUG 4	0 0508 ON MAR 18	178 000	1954
1956	380 AT 23 00 MST ON JUN 28	258 ON JUN 27	0 1208 ON MAR 5	320 000	1955
1957	119 AT 02 00 MST ON JUN 9	108 ON JUN 9	0 2038 ON MAR 8	189 000	1956
1958	84 4 AT 01 30 MST ON MAY 4	69 9 ON MAY 4	0 011 ON JUL 8	214 000	1957
1959	389 AT 08 00 MST ON JUL 19	232 ON JUL 19	0 2568 ON MAR 1	296 000	1958
MEAN				241 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1 1986

EAST STREETER CREEK NEAR NANTON - STATION NO 05AB024

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	0	0	0	0.001	0.014	0.013	0.005	0.001	0.001	0.001	0.001	0	0.003	1964
1965	0	0	0	0.004	0.003	0.010	0.014	0.004	0.003	0.003	0.002	0.002	0.004	1965
1966	0	0	0	0.002	0.007	0.025	0.006	0.003	0.002	0.001	0.001	0.001	0.004	1966
1967	0	0	0	0	0.020	0.031	0.005	0.002	0.001	0.001	0.001	0	0.005	1967
1968	0.001	0.001	0	0.001	0.002	0.004	0.004	0.003	0.003	0.010	0.008	0.003	0.003	1968
1969	0.002	0.001	0.001	0.014	0.014	0.018	0.025	0.004	0.001	0.002	0.001	0.001	0.007	1969
1970	---	---	---	---	---	---	---	---	---	---	---	---	---	1970
MEAN	0.001	0	0	0.004	0.010	0.017	0.010	0.003	0.002	0.003	0.002	0.001	0.004	MEAN

LOCATION - LAT 50 05 31 N
LONG 114 02 58 W
DRAINAGE AREA 0.52 km²
NATURAL FLOW

EAST STREETER CREEK NEAR NANTON - STATION NO 05AB024

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1964	---	0.020E ON MAY 11	0 ON JAN 1 *	98.2	1964
1965	0.082 AT 16 00 MST ON APR 1 *	0.031 ON JUL 1	0 ON JAN 1	116	1965
1966	0.062 AT 20 30 MST ON JUN 10	0.045 ON JUN 7	0 E ON JAN 3	127	1966
1967	0.057 AT 15 00 MST ON MAY 21	0.057 ON JUN 2	0 ON JAN 1	183	1967
1968	---	0.016 ON OCT 6	0 E ON JAN 1	97.7	1968
1969	0.071 AT 19 20 MST ON JUN 30	0.068 ON JUL 1 *	0.001E ON FEB 4	216	1969
1970	---	---	0 ON JAN 8	---	1970
				136	MEAN

E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

EAST STREETER SPRING NO 1 NEAR NANTON - STATION NO 05AB027

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	0.001	0.001	0.004	0.003	0.002	0.001	0.001	0.001	0.001	0.001	---	1964
1965	0.001	0.001	0.001	0.001	0.001	0.002	0.004	0.001	0.001	0.001	0.001	0.001	0.001	1965
1966	0.001	0.001	0.001	0.001	0.002	0.005	0.003	0.001	0.001	0.001	0	0	0.001	1966
1967	0.001	0.001	0.001	0.001	0.004	0.007	0.003	0.001	0.001	0.001	0.001	0	0.002	1967
1968	0	0	0	0	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.001	0.001	1968
1969	0.001	0.001	0.001	0.003	0.004	0.003	0.006	0.001	0.001	0.001	0.001	0.001	0.002	1969
1970	0	0.001	0.001	0.001	0.002	0.003	0.002	0.001	0.001	0.001	0.001	0	0.001	1970
1971	0.001	0.001	0	0.001	0.001	0.002	0.001	0.001	0	0	0	0	0.001	1971
1972	0.001	0.001	0.001	0.001	0.004	0.004	0.001	0.001	0.001	0.001	0.001	0.001	0.001	1972
1973	0.001	0.001	0.001	0.001	0.003	0.003	0.001	0.001	0.001	0	0	0	0.001	1973
1974	0	0.001	0.001	0.001	0.004	0.004	0.002	0.001	0.001	0.001	0	0	0.001	1974
1975	0	0	0	0	0.003	0.004	0.003	0.001	0.001	0.001	0.001	0.001	0.001	1975
1976	0.001	0	0	0.001	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.001	1976
1977	0	0	0	0.001	0.001	0.001	0.001	0	0	0	0	0	0	1977
1978	0	0	0	0.001	0.005	0.005	0.002	0.001	0.001	0.001	0.001	0.001	0.002	1978
1979	0	0	0	0	0.003	0.002	0.001	0	0	0	0	0	0.001	1979
MEAN	0.001	0.001	0.001	0.001	0.003	0.003	0.002	0.001	0.001	0.001	0.001	0.001	0.001	MEAN

LOCATION - LAT 50 05 35 N
LONG 114 02 56 W
NATURAL FLOW

EAST STREETER SPRING NO 1 NEAR NANTON - STATION NO 05AB027

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1964	---	---	0E ON DEC 30 *	---	1964
1965	---	0.005E ON JUL 4	0E ON JAN 1	41.4	1965
1966	---	0.007 ON JUN 8	0E ON NOV 15	45.8	1966
1967	---	0.008E ON MAY 29	0E ON JAN 1	53.1	1967
1968	---	0.003 ON OCT 8	0E ON JAN 1	25.0	1968
1969	---	0.012 ON JUL 2 *	0 ON DEC 17	59.7	1969
1970	---	0.003 ON MAY 19	0 ON JAN 1	37.8	1970
1971	0.002 AT 02 00 MST ON JUN 25	0.002 ON JUN 11	0 ON JAN 1	21.3	1971
1972	0.005 AT 21 00 MST ON JUN 2	0.005 ON MAY 27	0 ON MAR 4	47.2	1972
1973	0.004 AT 22 00 MST ON JUN 3	0.004 ON MAY 12	0 ON SEP 15	38.1	1973
1974	0.010 AT 03 20 MST ON MAY 24 *	0.009 ON MAY 23	0 ON JAN 1	42.5	1974
1975	0.005 AT 01 30 MST ON MAY 29	0.005 ON MAY 25	0 ON JAN 1	40.5	1975
1976	0.003 AT 18 30 MST ON JUL 18	0.002 ON MAY 23	0 ON JAN 1	30.9	1976
1977	0.001 AT 15 00 MST ON JUN 15	0.001 ON JAN 1	0 ON JAN 1	10.8	1977
1978	0.008 AT 00 00 MST ON JUN 1	0.008 ON JUN 1	0 ON JAN 3	49.8	1978
1979	0.004 AT 18 00 MST ON MAY 18	0.004 ON MAY 19	0 ON JAN 1	16.5	1979
				37.4	MEAN

E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

EASTERN IRRIGATION DISTRICT BOW SLOPE CANAL NEAR HEADGATE - STATION NO. 05BN005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1955	---	---	---	---	---	5.72	9.26	10.0	6.72	6.26	---	---	--	1955
1956	---	---	---	---	2.12	8.74	8.57	3.28	3.33	3.56	---	---	5.08	1956
1957	---	---	---	---	3.05	9.31	11.1	9.42	4.42	4.44	---	---	6.96	1957
1958	---	---	---	---	5.58	12.2	10.1	8.58	6.90	3.27	---	---	7.75	1958
1959	---	---	---	0.001	1.99	8.48	9.29	8.71	6.87	5.07	0.174	---	6.73	1959
1960	---	---	---	---	1.22	10.7	12.0	10.2	7.62	6.29	---	---	8.01	1960
1961	---	---	---	---	7.69	12.2	11.9	11.5	9.50	9.46	---	---	10.4	1961
1962	---	---	---	---	7.35	12.2	12.5	11.8	7.65	7.34	---	---	9.83	1962
1963	---	---	---	0.093	8.76	11.1	8.26	8.01	3.57	6.01	---	---	7.81	1963
1964	---	---	---	---	5.82	10.9	10.7	11.9	9.86	6.25	---	---	9.36	1964
1965	---	---	---	---	5.14	8.70	5.92	5.95	1.28	4.26	---	---	5.38	1965
1966	---	---	---	---	3.11	7.91	8.58	8.06	3.42	5.33	---	---	6.09	1966
1967	---	---	---	---	0.315	3.87	9.08	10.1	6.85	9.94	---	---	6.70	1967
1968	---	---	---	---	5.94	8.88	10.7	10.5	2.46	4.06	---	---	7.27	1968
1969	---	---	---	---	2.87	9.82	9.42	8.88	5.35	6.67	---	---	7.17	1969
1970	---	---	---	---	4.28	8.89	6.88	8.75	8.56	3.84	---	---	6.83	1970
1971	---	---	---	0	1.96	7.72	9.65	9.78	9.81	6.27	0	---	7.49	1971
MEAN	---	---	---	0.031	4.37	9.26	9.72	9.15	6.06	5.77	0.087	---	7.42	MEAN

LOCATION - LAT 50 30 10 N
LONG 112 08 50 W REGULATED

EASTERN IRRIGATION DISTRICT BOW SLOPE CANAL NEAR HEADGATE - STATION NO. 05BN005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1955	---	10.8 ON AUG 4	0 ON MAY 1 *	---	1955
1956	---	11.8 ON JUN 15	0 ON MAY 1	80 900	1956
1957	---	12.5 ON AUG 1	0 ON MAY 1	111 000	1957
1958	---	13.1 ON JUN 15	0 E ON OCT 17	123 000	1958
1959	---	12.1 ON JUL 20	0.003E ON MAY 1	107 000	1959
1960	---	13.7 ON JUN 12	0.028E ON MAY 1	127 000	1960
1961	---	12.8 ON JUL 25	0 ON SEP 10	165 000	1961
1962	---	13.4 ON JUL 2	0 ON SEP 8	156 000	1962
1963	---	12.5 ON JUN 16	0 ON SEP 1	121 000	1963
1964	---	13.8 ON JUN 15 *	0 ON OCT 24	149 000	1964
1965	---	11.1 ON JUN 16	0 ON MAY 1	85 400	1965
1966	---	11.0 ON JUN 23	0 ON MAY 1	86 600	1966
1967	---	11.2 ON JUL 27	0 ON MAY 1	105 000	1967
1968	---	11.5 ON JUN 26	0 ON SEP 1	116 000	1968
1969	---	11.0 ON JUN 27	0 ON MAY 1	116 000	1969
1970	---	10.6 ON JUN 9	0 E ON MAY 1	109 000	1970
1971	---	10.3 ON SEP 29	0 ON MAY 1	119 000	1971
				118 000	MEAN

E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

EASTERN IRRIGATION DISTRICT EAST BRANCH CANAL ABOVE ANTELOPE CROSSING - STATION NO. 05BN011

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1961	---	---	---	---	---	---	32.4	32.2	26.8	26.8	---	---	---	1961
1962	---	---	---	---	32.8	30.3	31.2	30.7	20.6	20.1	---	---	---	1962
1963	---	---	---	0.189	35.8	32.0	22.2	16.2	12.4	15.9	---	---	---	1963
MEAN	---	---	---	0.189	34.3	31.2	28.6	26.4	19.9	20.9	---	---	---	MEAN

LOCATION - LAT 50 32 00 N
LONG 112 10 50 W REGULATED

EASTERN IRRIGATION DISTRICT EAST BRANCH CANAL ABOVE ANTELOPE CROSSING - STATION NO. 05BN011

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1961	---	---	---	---	1961
1962	---	32.8 ON JUL 10	0 ON SEP 4 *	---	1962
1963	---	36.0 ON MAY 31 *	0 ON APR 1	---	1963
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

EASTERN IRRIGATION DISTRICT EAST BRANCH CANAL BELOW BOW SLOPE CANAL - STATION NO 05BN013

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	---	0.559	11.7	15.2	14.3	15.1	13.4	6.74	---	---	12.7	1964
1965	---	---	---	---	6.25	10.3	5.91	10.6	2.42	8.62	---	---	6.98	1965
1966	---	---	---	---	8.25	11.8	14.7	13.2	3.99	6.46	---	---	9.76	1966
1967	---	---	---	---	1.31	7.47	11.0	17.5	14.3	17.8	---	---	11.6	1967
1968	---	---	---	1.55	14.0	14.1	17.6	17.4	5.32	7.85	0.002	---	12.7	1968
1969	---	---	---	---	8.11	16.4	15.7	16.8	9.83	13.5	---	---	13.7	1969
1970	---	---	---	---	10.9	17.3	6.84	10.3	14.8	7.41	---	---	11.2	1970
1971	---	---	---	---	9.20	16.1	16.6	20.6	19.7	11.2	---	---	15.9	1971
MEAN	---	---	---	1.05	8.47	13.8	13.1	15.2	10.5	9.92	0.002	---	11.8	MEAN

LOCATION - LAT 50 30 49 N
LONG 112 08 33 W REGULATED

EASTERN IRRIGATION DISTRICT EAST BRANCH CANAL BELOW BOW SLOPE CANAL - STATION NO 05BN013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	---	20.6 ON JUN 15	0 ON OCT 22 *	203 000	1964
1965	---	16.7 ON JUN 17	0 ON SEP 7	111 000	1965
1966	---	16.1 ON JUN 24	0 ON MAY 1	155 000	1966
1967	---	19.1 ON OCT 14	0.026E ON MAY 1	184 000	1967
1968	---	18.3 ON JUL 24	0 ON SEP 1	202 000	1968
1969	---	20.4 ON OCT 2	0 E ON MAY 1	218 000	1969
1970	---	22.9 ON JUN 13 *	0 E ON MAY 1	179 000	1970
1971	---	21.7 ON AUG 19	0 ON MAY 1	253 000	1971
				188 000	MEAN

E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

EASTERN IRRIGATION DISTRICT EAST BRANCH CANAL NEAR LATHOM - STATION NO 05CJ003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1917	---	---	---	0	1.41	1.83	3.80	7.24	2.87	4.44	0	---	2.70	1917
1918	---	---	---	0	2.27	4.34	12.9	13.0	17.3	7.92	0.951	---	7.37	1918
1919	---	---	---	0	1.88	6.36	14.0	8.53	4.93	2.35	0	---	4.80	1919
1920	---	---	---	0	1.01	9.78	13.3	12.8	11.8	0.175	0	---	5.13	1920
1921	---	---	---	0	1.56	16.2	20.5	22.0	22.3	8.39	0.832	---	11.5	1921
1922	---	---	---	0	2.15	20.5	19.1	14.0	10.6	3.19	0	---	8.71	1922
1923	---	---	---	0	7.88	10.2	14.1	21.4	21.1	0.301	0	---	8.41	1923
1924	---	---	---	0.180	20.7	28.3	27.8	25.2	16.4	6.36	0	---	16.1	1924
1925	---	---	---	0	8.18	13.5	19.5	14.2	11.4	0.247	0	---	8.81	1925
1926	---	---	---	0	10.6	21.8	19.3	13.5	9.86	0	0	---	9.38	1926
1927	---	---	---	0	3.58	8.97	17.9	19.0	12.3	0.397	0	---	7.81	1927
1928	---	---	---	0	11.2	19.5	13.5	13.4	11.7	0.405	0	---	8.72	1928
1929	---	---	---	1.82	8.87	22.1	30.3	24.4	19.9	12.9	0	---	15.2	1929
1930	---	---	---	9.21	24.0	30.7	33.2	31.9	31.1	2.45	0	---	20.4	1930
1945	---	---	---	0.416	21.1	25.9	27.3	30.3	29.9	23.5	0.382	---	19.9	1945
1946	---	---	---	1.12	23.4	24.1	28.7	29.3	26.7	16.2	0	---	18.8	1946
1947	---	---	---	0	13.2	20.9	31.1	25.8	18.2	10.1	0	---	15.1	1947
1948	---	---	---	0	1.51	20.6	29.7	13.5	25.8	16.8	0	---	13.5	1948
1949	---	---	---	1.98	20.1	27.6	28.1	25.0	26.5	24.2	13.8	---	21.0	1949
1950	---	---	---	0	13.0	30.4	27.9	24.7	26.4	17.1	0	---	17.7	1950
1951	---	---	---	0	4.22	11.2	18.8	24.8	0.885	8.07	0	---	8.21	1951
1952	---	---	---	0	9.86	25.5	22.5	11.7	10.2	9.79	0	---	11.2	1952
1953	---	---	---	0	2.95	2.89	18.5	18.7	5.48	10.3	0	---	7.05	1953
1954	---	---	---	0.006	11.1	21.9	27.8	20.7	16.4	10.3	0.008	---	13.5	1954
1955	---	---	---	0.298	5.00	17.2	26.4	27.2	17.3	14.6	0.005	---	13.6	1955
1956	---	---	---	0.008	7.85	23.4	23.2	15.1	12.8	10.2	0.009	---	11.6	1956
1957	---	---	---	0.004	12.0	29.9	33.2	27.8	17.9	20.8	0.014	---	17.8	1957
1958	---	---	---	0	19.9	31.3	28.7	24.2	21.5	8.44	0	---	15.8	1958
1959	---	---	---	0.572	10.8	22.4	27.0	25.2	19.7	16.5	1.47	---	15.5	1959
1960	---	---	---	0.268	5.38	27.8	30.0	25.3	23.2	19.4	4.13	---	17.0	1960
1961	---	---	---	7.87	22.2	32.5	35.0	35.6	28.0	28.9	1.88	---	24.1	1961
1962	---	---	---	1.83	25.0	33.0	33.4	32.9	22.2	15.0	0	---	21.0	1962
1963	---	---	---	0.472	28.5	34.2	22.8	17.6	11.4	18.4	0	---	16.8	1963
1964	---	---	---	0.884	18.0	29.6	27.7	30.1	24.5	12.4	0	---	18.0	1964
1965	---	---	---	0	11.7	24.5	15.2	19.9	3.71	15.8	0	---	11.4	1965
1966	---	---	---	0.236	13.9	22.3	25.8	23.2	8.81	13.7	0	---	13.5	1966
1967	---	---	---	0	2.01	12.4	24.6	31.1	19.8	35.7	0	---	15.8	1967
1968	---	---	---	3.40	26.2	28.5	32.0	30.8	9.39	14.7	0	---	18.3	1968
1969	---	---	---	0	9.33	32.8	28.4	29.0	17.2	23.0	0	---	17.5	1969
1970	---	---	---	0	15.3	30.4	14.8	22.8	27.6	9.54	0	---	15.2	1970
1971	---	---	---	0	12.0	27.9	30.8	33.3	28.9	16.4	0	---	18.9	1971
1972	---	---	---	1.84	16.2	35.3	30.8	31.0	29.5	10.8	0	---	19.5	1972
1973	---	---	---	0.803	22.8	27.0	28.8	32.0	31.3	7.92	0	---	18.8	1973
1974	---	---	---	0.025	11.1	27.0	32.7	31.8	31.2	20.5	0	---	19.4	1974
1975	---	---	---	0.760	8.97	6.61	24.7	31.3	20.6	7.84	0.003	---	12.7	1975
1976	---	---	---	1.53	20.1	32.5	28.8	28.8	30.1	18.5	0	---	20.4	1976
1977	---	---	---	5.18	25.1	29.7	30.0	28.6	32.8	18.7	0	---	21.3	1977
1978	---	---	---	4.72	9.97	9.82	29.6	26.9	13.6	20.2	0	---	14.4	1978
1979	---	---	---	1.48	17.6	27.2	26.3	30.2	30.5	29.8	0.101	---	20.5	1979
1980	---	---	---	1.85	21.7	29.7	31.8	31.6	31.9	12.7	0	---	20.2	1980
1981	---	---	---	1.27	17.9	34.4	30.5	31.0	27.7	34.4	2.29	---	22.5	1981
1982	---	---	---	0.484	12.7	25.0	27.0	27.6	25.4	17.7	0.020	---	17.0	1982
1983	---	---	---	2.24	24.2	27.8	26.8	30.4	32.7	24.9	1.83	---	21.4	1983
1984	---	---	---	10.8	30.6	28.0	28.4	34.7	35.5	31.1	0.195	---	23.7	1984
1985	---	---	---	2.21	22.8	34.0	33.2	35.8	36.1	3.07	0	---	21.3	1985
1986	---	---	---	12.4	38.7	34.8	34.0	32.9	33.7	7.70	---	---	---	1986
MEAN	---	---	---	1.38	13.5	23.1	25.3	24.7	20.6	13.5	0.502	---	15.2	MEAN

LOCATION - LAT 50 43 15 N
LONG 112 20 29 W REGULATED

EASTERN IRRIGATION DISTRICT EAST BRANCH CANAL NEAR LATHOM - STATION NO 05CJ003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1917	---	14.1 ON OCT 2	0 ON APR 1 *	57 000	1917
1918	---	19.6 ON SEP 14	0 ON APR 1	155 000	1918
1919	---	15.3 ON JUL 11	0 ON APR 1	101 000	1919
1920	---	16.1 ON JUN 15	0 ON APR 1	129 000	1920
1921	---	22.8 ON SEP 27	0 ON APR 1	242 000	1921
1922	---	25.7 ON JUN 29	0 ON APR 1	184 000	1922
1923	---	24.5 ON MAY 31	0 ON APR 1	198 000	1923
1924	---	29.7 ON AUG 17	0 ON APR 1	339 000	1924
1925	---	22.3 ON JUL 4	0 ON APR 1	177 000	1925
1926	---	25.6 ON JUN 12	0 ON APR 1	198 000	1926
1927	---	25.4 ON AUG 29	0 ON APR 1	185 000	1927
1928	---	23.6 ON JUN 17	0 ON APR 1	184 000	1928
1929	---	36.2 ON JUL 4	0E ON APR 1	320 000	1929
1930	---	35.4 ON JUL 2	0E ON APR 1	429 000	1930
1945	---	32.6 ON SEP 26	0 ON APR 1	420 000	1945
1946	---	33.1 ON JUL 22	0 ON APR 1	396 000	1946
1947	---	32.8 ON JUL 9	0 ON APR 1	319 000	1947
1948	---	34.3 ON JUL 8	0 ON APR 1	285 000	1948
1949	---	30.3 ON JUN 15	0 ON APR 1	442 000	1949
1950	---	35.0 ON JUN 22	0 ON APR 1	374 000	1950
1951	---	38.9 ON AUG 8	0 ON APR 1	173 000	1951
1952	---	33.1 ON JUN 20	0 ON APR 1	237 000	1952
1953	---	27.1 ON JUL 18	0 ON APR 1	149 000	1953
1954	---	35.1 ON AUG 1	0 ON APR 1	284 000	1954
1955	---	30.5 ON JUL 2	0E ON APR 1	288 000	1955
1956	---	31.4 ON JUL 25	0E ON APR 1	245 000	1956
1957	---	35.1 ON JUL 18	0E ON APR 1	375 000	1957
1958	---	33.7 ON JUN 27	0 ON APR 1	354 000	1958
1959	---	30.6 ON AUG 19	0E ON APR 1	327 000	1959
1960	---	33.1 ON JUN 11	0E ON APR 1	358 000	1960
1961	---	38.5 ON JUL 23	0E ON APR 1	509 000	1961
1962	---	36.2 ON JUL 11	0 ON APR 1	443 000	1962
1963	---	39.9 ON MAY 25	0 ON APR 1	353 000	1963
1964	---	39.6 ON JUN 12	0 ON APR 1	379 000	1964
1965	---	37.9 ON JUN 15	0 ON APR 1	240 000	1965
1966	---	30.3 ON JUN 24	0E ON APR 1	286 000	1966
1967	---	39.8 ON OCT 12	0 ON APR 1	334 000	1967
1968	---	39.9 ON MAY 29	0 ON APR 1	385 000	1968
1969	---	38.8 ON JUN 7	0E ON APR 1	370 000	1969
1970	---	42.8 ON JUN 9	0 ON APR 1	320 000	1970
1971	---	35.4 ON JUL 30	0 ON APR 1	398 000	1971
1972	---	43.0 ON JUN 7	0 ON APR 1	410 000	1972
1973	---	43.6 ON MAY 26 *	0 ON APR 1	383 000	1973
1974	---	36.5 ON JUN 23	0E ON APR 1	408 000	1974
1975	---	37.4 ON JUL 25	0E ON APR 1	287 000	1975
1976	---	34.3 ON JUN 8	0 ON APR 1	429 000	1976
1977	---	34.5 ON SEP 25	0 ON APR 1	450 000	1977
1978	---	32.8 ON JUL 21	0E ON APR 1	304 000	1978
1979	---	34.0 ON OCT 16	0E ON APR 1	432 000	1979
1980	---	38.5 ON AUG 9	0E ON APR 1	426 000	1980
1981	---	40.0 ON OCT 4	0 ON APR 1	475 000	1981
1982	---	29.2 ON JUL 11	0 ON APR 1	359 000	1982
1983	---	34.3 ON SEP 2	0 ON APR 1	452 000	1983
1984	---	37.4 ON OCT 5	0 ON APR 1	501 000	1984
1985	---	40.5 ON SEP 28	0 ON APR 1	447 000	1985
1986	---	39.5 ON MAY 8	0A ON APR 1	---	1986
				321 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

EASTERN IRRIGATION DISTRICT MAIN RANTRY CANAL ABOVE AQUEDUCT - STATION NO 05BN001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1917	---	---	---	---	0.087	0.847	0.889	1.04	0.890	0.188	---	---	0.591	1917
1918	---	---	---	---	0.984	1.39	2.14	1.43	1.16	0.582	0.095	---	1.28	1918
1922	---	---	---	---	0.897	11.6	9.42	4.90	3.41	0.492	---	---	5.10	1922
1923	---	---	---	---	4.43	6.99	5.82	5.37	5.83	1.90	---	---	5.01	1923
1924	---	---	---	---	6.11	8.83	11.1	8.72	5.24	3.85	---	---	7.00	1924
1925	---	---	---	---	2.47	8.95	11.8	9.39	9.46	0.262	---	---	6.37	1925
1955	---	---	---	---	0.711	11.5	13.9	11.8	3.57	3.94	---	---	7.56	1955
1956	---	---	---	---	3.04	11.7	16.3	3.47	3.64	3.10	---	---	6.85	1956
1957	---	---	---	---	5.62	14.0	18.8	6.50	5.40	3.32	---	---	8.94	1957
1958	---	---	---	---	8.51	14.1	10.0	11.4	4.72	2.08	---	---	8.45	1958
1959	---	---	---	---	3.90	14.1	16.0	8.05	3.46	1.35	---	---	7.80	1959
1960	---	---	---	---	3.13	17.6	18.4	7.21	4.79	3.93	---	---	9.15	1960
1961	---	---	---	---	10.9	20.0	18.0	13.3	6.39	6.07	---	---	12.4	1961
1962	---	---	---	---	8.11	19.2	15.7	12.1	2.65	5.01	---	---	10.5	1962
1963	---	---	---	---	15.1	17.1	8.59	9.40	4.22	4.97	---	---	8.55	1963
1964	---	---	---	---	5.45	14.5	16.9	13.2	4.05	2.80	---	---	9.45	1964
1965	---	---	---	---	2.62	11.8	8.48	11.3	1.71	3.69	---	---	5.28	1965
1966	---	---	---	---	4.22	11.4	13.4	6.30	3.64	4.83	---	---	7.11	1966
1967	---	---	---	---	0.275	6.69	16.5	13.8	5.60	5.18	---	---	8.85	1967
1968	---	---	---	---	10.2	13.6	---	---	2.62	3.50	---	---	---	1968
1969	---	---	---	---	4.38	17.0	12.6	12.9	4.67	5.80	---	---	9.54	1969
1970	---	---	---	---	6.61	9.48	6.72	11.9	10.6	0.180	---	---	7.83	1970
1971	---	---	---	0	3.73	12.6	16.0	12.6	6.38	3.82	0	---	9.20	1971
MEAN	---	---	---	0	4.85	11.9	12.1	8.77	4.35	3.25	0.048	---	7.49	MEAN

LOCATION - LAT 50 31 35 N
LONG 111 52 13 W REGULATED

EASTERN IRRIGATION DISTRICT MAIN BANTRY CANAL ABOVE AQUEDUCT - STATION NO 05BN001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1917	---	1.25 ON AUG 8	0 ON MAY 1 *	9 410	1917
1918	---	2.72 ON JUL 25	0.385 ON OCT 26	20 300	1918
1922	---	14.4 ON JUN 18	0 ON MAY 1	81 190	1922
1923	---	10.8 ON JUN 14	0 ON MAY 7	79 700	1923
1924	---	13.8 ON AUG 26	0.368 ON OCT 31	111 000	1924
1925	---	12.5 ON JUL 27	0 ON MAY 1	101 000	1925
1955	---	18.5 ON JUN 22	0 ON MAY 1	120 000	1955
1956	---	20.1 ON JUL 14	0.028E ON MAY 1	108 000	1956
1957	---	20.9 ON JUL 11	0 ON MAY 1	142 000	1957
1958	---	19.7 ON MAY 28	0 E ON MAY 1	135 000	1958
1959	---	21.0 ON JUN 19	0 ON SEP 5	124 000	1959
1960	---	20.4 ON JUL 14	0.008E ON MAY 1	145 000	1960
1961	---	21.2 ON JUN 11	0.003 ON OCT 30	198 000	1961
1962	---	20.8 ON JUN 5	0 ON MAY 1	187 000	1962
1963	---	23.3 ON MAY 29 *	0 ON MAY 1	152 000	1963
1964	---	21.1 ON AUG 3	0 ON MAY 1	150 000	1964
1965	---	18.4 ON JUN 10	0 ON MAY 1	99 500	1965
1966	---	16.7 ON JUL 14	0 ON MAY 1	113 000	1966
1967	---	19.3 ON JUL 25	0 ON MAY 1	138 000	1967
1968	---	---	---	---	1968
1969	---	19.8 ON JUN 27	0 ON MAY 1	152 000	1969
1970	---	19.0 ON JUN 9	0 ON MAY 1	126 000	1970
1971	---	17.4 ON AUG 3	0 ON MAY 1	145 000	1971
				119 000	MEAN

E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

EASTERN IRRIGATION DISTRICT NORTH BRANCH CANAL NEAR BASSANO - STATION NO 05CJ001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	0	1.15	2.34	1.54	1.08	0.815	0.360	0	---	0.912	1914
1915	---	---	---	0.561	1.14	0.828	1.04	1.29	1.29	0.717	0.167	---	0.682	1915
1916	---	---	---	0	1.18	1.10	0.899	0.806	0.395	0.453	0.067	---	0.591	1916
1917	---	---	---	0	0.273	0.835	3.04	1.06	0.818	0.586	0	---	0.833	1917
1918	---	---	---	0	0.189	4.40	5.80	2.46	1.82	2.12	0.320	---	2.16	1918
1919	---	---	---	0	0.220	4.53	8.35	2.83	1.12	0.281	0	---	2.18	1919
1920	---	---	---	0	0.039	3.87	5.03	3.41	1.04	0.026	0	---	1.69	1920
1921	---	---	---	0	0.469	8.24	8.88	3.29	2.00	0.276	0	---	2.87	1921
1922	---	---	---	0	0.616	7.51	8.15	4.03	1.28	0.124	0	---	2.72	1922
1923	---	---	---	0	1.89	1.33	3.58	2.02	1.37	0.014	0	---	1.26	1923
1924	---	---	---	0	2.49	4.96	9.21	2.67	2.07	0.789	0	---	2.79	1924
1925	---	---	---	0	1.48	5.29	6.14	4.39	2.72	0	0	---	2.51	1925
1926	---	---	---	0	2.32	6.66	8.39	5.06	2.16	0	0	---	3.09	1926
1927	---	---	---	0	0.252	1.14	1.44	2.47	1.90	0	0	---	0.902	1927
1928	---	---	---	0	1.88	4.48	1.10	2.31	1.57	0.077	0	---	1.42	1928
1929	---	---	---	0	2.09	6.28	8.37	4.46	3.28	0.033	0	---	3.07	1929
1930	---	---	---	0	1.88	7.10	7.43	4.47	2.78	0	0	---	2.97	1930
1945	---	---	---	0	3.28	7.88	7.89	8.08	4.77	2.75	0	---	4.33	1945
1946	---	---	---	0.088	5.37	5.43	7.52	6.29	3.74	2.31	0	---	3.87	1946
1947	---	---	---	0	2.42	5.26	9.70	6.29	3.61	2.08	0	---	3.69	1947
1948	---	---	---	0	0	5.70	8.71	2.09	3.89	2.47	0	---	2.87	1948
1949	---	---	---	0.486	6.34	9.24	8.88	4.11	2.80	2.57	0	---	4.30	1949
1950	---	---	---	0	1.94	8.27	7.56	4.04	1.83	1.85	0	---	3.21	1950
1951	---	---	---	0	0.631	2.99	6.12	4.80	0.243	1.76	0	---	2.09	1951
1952	---	---	---	0	0.613	6.68	8.10	3.54	3.03	2.48	0	---	2.81	1952
1953	---	---	---	0	0.113	0.519	4.37	4.53	0.900	2.53	0	---	1.64	1953
1954	---	---	---	0	0.398	2.89	7.85	4.78	0.988	1.83	0	---	2.34	1954
1955	---	---	---	0	0.689	4.59	5.08	4.83	1.44	1.76	0	---	2.33	1955
1956	---	---	---	0	0.515	7.00	6.87	3.87	3.14	3.05	0	---	3.01	1956
1957	---	---	---	0	2.15	8.09	7.97	4.69	1.90	2.34	0	---	3.41	1957
1958	---	---	---	0	2.71	9.01	5.28	6.47	1.70	1.31	0	---	3.32	1958
1959	---	---	---	0	2.10	5.87	7.53	4.65	2.13	1.33	0	---	2.94	1959
1960	---	---	---	0	0.807	10.3	10.5	5.67	3.44	2.49	0	---	4.17	1960
1961	---	---	---	0	1.45	12.0	10.4	7.14	3.03	2.34	0	---	4.56	1961
1962	---	---	---	0	3.76	9.31	8.76	6.61	1.72	2.58	0	---	4.12	1962
1963	---	---	---	0	4.98	9.51	5.16	7.63	1.90	3.00	0	---	4.04	1963
1964	---	---	---	0	1.97	7.73	8.76	7.39	2.07	2.21	0	---	3.79	1964
1965	---	---	---	0	1.00	8.38	5.05	7.27	1.27	2.27	0	---	3.17	1965
1966	---	---	---	0	1.54	6.21	7.06	6.09	1.82	1.66	0	---	3.04	1966
1967	---	---	---	0	0.236	4.17	10.3	6.99	2.40	3.10	0	---	3.43	1967
1968	---	---	---	0.157	4.40	7.02	9.54	4.89	1.86	1.68	0	---	3.72	1968
1969	---	---	---	0	1.65	10.8	6.38	6.75	2.04	1.44	0	---	3.64	1969
1970	---	---	---	0	1.38	6.51	3.94	6.60	3.14	1.11	0	---	2.84	1970
1971	---	---	---	0	1.21	5.80	8.70	8.53	3.47	1.05	0	---	3.82	1971
1972	---	---	---	0	3.04	10.3	9.29	6.95	3.20	1.07	0	---	4.25	1972
1973	---	---	---	0	2.83	5.61	9.38	6.56	3.17	0.893	0	---	3.58	1973
1974	---	---	---	0	0.562	7.31	9.43	8.16	3.72	1.33	0	---	3.85	1974
1975	---	---	---	0	0.231	1.53	10.2	5.35	3.82	1.41	0	---	2.88	1975
1976	---	---	---	0	4.94	10.1	8.82	4.60	2.71	1.54	0	---	4.10	1976
1977	---	---	---	0.440	4.55	9.79	10.8	4.86	1.89	0.650	0	---	4.10	1977
1978	---	---	---	0.008	0.390	3.69	12.0	4.88	1.15	0.812	0	---	2.90	1978
1979	---	---	---	0	0.713	8.42	11.8	5.75	4.27	1.84	0.006	---	4.11	1979
1980	---	---	---	0	3.28	8.27	12.1	5.05	2.47	1.58	0	---	4.12	1980
1981	---	---	---	0	1.51	8.08	10.1	5.01	4.27	1.98	0	---	4.01	1981
1982	---	---	---	0	2.25	8.64	8.99	6.88	3.88	1.46	0	---	4.03	1982
1983	---	---	---	0	3.11	9.92	10.3	5.73	3.06	2.34	0.021	---	4.45	1983
1984	---	---	---	0.027	3.86	10.8	13.3	4.56	2.40	3.41	---	---	---	1984
1985	---	---	---	1.95	8.21	13.3	13.4	10.2	12.7	0.499	0	---	7.54	1985
1986	---	---	---	3.36	11.2	12.6	13.0	12.5	12.1	0.197	---	---	---	1986
MEAN	---	---	---	0.120	2.09	6.54	7.67	5.11	2.67	1.43	0.010	---	3.11	MEAN

LOCATION - LAT 50 45 00 N
LONG 112 25 00 W REGULATED

EASTERN IRRIGATION DISTRICT NORTH BRANCH CANAL NEAR BASSANO - STATION NO 05CJ001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	4.79 ON AUG 2	0 ON APR 1 *	19 200	1914
1915	---				
1916	---	1.93 ON MAY 12	0E ON APR 1	18 600	1915
1917	---	1.78 ON MAY 24	0 ON APR 1	12 500	1916
1918	---	4.19 ON JUL 25	0 ON APR 1	17 600	1917
1919	---	6.91 ON JUL 3	0 ON APR 1	45 500	1918
		12.6 ON JUL 3	0 ON APR 1	45 900	1919
1920	---				
1921	---	8.38 ON JUN 24	0 ON APR 1	35 500	1920
1922	---	13.1 ON JUN 28	0 ON APR 1	60 600	1921
1923	---	10.5 ON JUN 28	0 ON APR 1	57 400	1922
1924	---	7.90 ON JUL 26	0 ON APR 1	26 600	1923
		10.6 ON JUL 22	0 ON APR 1	58 900	1924
1925	---				
1926	---	9.12 ON JUL 8	0 ON APR 1	53 000	1925
1927	---	9.91 ON JUL 19	0 ON APR 1	65 100	1926
1928	---	2.86 ON AUG 20	0 ON APR 1	19 000	1927
1929	---	7.31 ON JUN 8	0 ON APR 1	30 000	1928
		10.3 ON JUN 21	0 ON APR 1	84 800	1929
1930	---	11.9 ON JUN 20	0 ON APR 1	82 600	1930
1945	---				
1946	---	12.0 ON JUN 26	0 ON APR 1	91 200	1945
1947	---	12.0 ON JUL 28	0 ON APR 1	81 500	1946
1948	---	11.7 ON JUL 20	0 ON APR 1	77 800	1947
1949	---	9.97 ON JUL 3	0 ON APR 1	80 400	1948
		11.9 ON JUN 25	0E ON APR 1	90 700	1949
1950	---				
1951	---	12.5 ON JUN 22	0 ON APR 1	87 600	1950
1952	---	9.25 ON JUL 23	0 ON APR 1	44 100	1951
1953	---	9.83 ON JUN 10	0 ON APR 1	59 200	1952
1954	---	8.10 ON JUL 26	0 ON APR 1	34 600	1953
		13.3 ON AUG 1	0 ON APR 1	49 300	1954
1955	---				
1956	---	8.27 ON JUN 28	0 ON APR 1	49 000	1955
1957	---	11.0 ON JUN 11	0 ON APR 1	83 500	1956
1958	---	12.8 ON JUN 8	0 ON APR 1	71 900	1957
1959	---	12.3 ON JUN 27	0 ON APR 1	70 000	1958
		11.1 ON JUL 22	0 ON APR 1	62 100	1959
1960	---				
1961	---	12.9 ON JUN 11	0 ON APR 1	88 000	1960
1962	---	13.8 ON JUN 11	0 ON APR 1	96 100	1961
1963	---	10.9 ON JUL 7	0 ON APR 1	86 800	1962
1964	---	12.8 ON MAY 31	0 ON APR 1	85 300	1963
		15.3 ON JUL 25	0 ON APR 1	79 900	1964
1965	---				
1966	---	14.2 ON JUN 16	0 ON APR 1	86 800	1965
1967	---	11.1 ON AUG 4	0 ON APR 1	84 100	1966
1968	---	13.0 ON JUL 20	0 ON APR 1	72 300	1967
1969	---	13.1 ON JUL 17	0 ON APR 1	78 300	1968
		13.8 ON JUN 7	0 ON APR 1	76 800	1969
1970	---				
1971	---	14.3 ON JUN 10	0 ON APR 1	59 800	1970
1972	---	14.2 ON AUG 6	0 ON APR 1	76 300	1971
1973	---	14.1 ON JUN 9	0 ON APR 1	89 800	1972
1974	---	12.9 ON AUG 2	0 ON APR 1	75 400	1973
		13.6 ON AUG 8	0E ON APR 1	81 100	1974
1975	---				
1976	---	15.2 ON JUL 15	0E ON APR 1	80 100	1975
1977	---	12.9 ON JUN 6	0E ON APR 1	86 400	1976
1978	---	13.2 ON JUN 29	0A ON APR 1	86 500	1977
1979	---	15.1 ON JUL 18	0E ON APR 1	81 100	1978
		14.8 ON JUL 26	0E ON APR 1	86 600	1979
1980	---				
1981	---	17.9 ON JUL 20 *	0 ON APR 1	86 800	1980
1982	---	15.8 ON JUL 21	0 ON APR 1	84 400	1981
1983	---	14.2 ON JUL 27	0 ON APR 1	84 900	1982
1984	---	14.1 ON JUL 26	0 ON APR 1	93 800	1983
		15.7 ON JUL 13	0 ON APR 1	---	1984
1985	---				
1986	---	14.5 ON JUN 25	0 ON APR 1	159 000	1985
		15.9 A ON MAY 8	0A ON APR 1	---	1986
				85 500	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

EASTERN IRRIGATION DISTRICT ROLLING HILLS CANAL NEAR HEADGATE - STATION NO 05BN004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1955	---	---	---	---	0.387	2.94	5.77	2.55	1.05	1.70	---	---	2.40	1955
1956	---	---	---	---	0.420	4.50	5.61	1.62	1.57	1.19	---	---	2.48	1956
1957	---	---	---	---	1.18	5.07	7.68	2.55	1.13	1.04	---	---	3.11	1957
1958	---	---	---	---	2.13	7.37	5.04	2.38	0.886	0.896	---	---	3.10	1958
1959	---	---	---	---	0.935	5.05	5.75	2.78	1.30	1.08	---	---	2.98	1959
1960	---	---	---	---	0.828	8.08	7.10	1.85	1.80	1.92	---	---	3.55	1960
1961	---	---	---	---	3.73	7.84	6.83	4.20	1.98	2.45	---	---	4.50	1961
1962	---	---	---	---	3.01	7.90	5.51	4.77	0.792	2.62	---	---	4.10	1962
1963	---	---	---	---	5.22	6.31	3.00	3.73	1.83	2.84	---	---	3.82	1963
1964	---	---	---	---	1.28	4.85	6.83	3.84	0.727	1.49	---	---	3.16	1964
1965	---	---	---	---	0.822	2.94	2.25	2.69	0.553	1.07	---	---	1.72	1965
1966	---	---	---	---	1.00	3.84	6.50	2.56	0.815	1.42	---	---	2.69	1966
1967	---	---	---	---	0.324	1.98	8.00	4.23	1.49	3.45	---	---	3.26	1967
1968	---	---	---	0.071	1.73	6.14	7.39	3.10	0.815	1.07	---	---	3.37	1968
1969	---	---	---	---	1.49	7.27	6.22	3.54	1.71	2.86	---	---	3.84	1969
1970	---	---	---	---	2.04	3.67	3.83	4.53	2.34	1.76	---	---	3.03	1970
1971	---	---	---	0	1.70	6.75	7.95	3.90	2.31	1.64	0	---	4.04	1971
MEAN	---	---	---	0.036	1.86	5.49	5.98	3.22	1.34	1.79	0	---	3.24	MEAN

LOCATION - LAT 50 22 25 N
LONG 111 52 50 W REGULATED

EASTERN IRRIGATION DISTRICT ROLLING HILLS CANAL NEAR HEADGATE - STATION NO. 05BN004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1955	---	6.87 ON JUN 28	0 ON MAY 1 *	38 200	1955
1956	---	7.22 ON JUN 15	0 ON MAY 1	39 400	1956
1957	---	8.75 ON JUL 15	0 ON MAY 1	49 400	1957
1958	---	8.55 ON JUN 2	0 ON MAY 1	45 300	1958
1959	---	9.94 ON JUN 22	0 ON MAY 1	47 300	1959
1960	---	9.37 ON JUN 15	0 ON MAY 1	55 400	1960
1961	---	6.83 ON JUN 7	0 ON SEP 8	71 400	1961
1962	---	9.06 ON JUN 5	0.003E ON MAY 1	65 300	1962
1963	---	8.80 ON MAY 28	0 ON OCT 20	80 800	1963
1964	---	8.98 ON JUN 10	0 ON AUG 24	50 300	1964
1965	---	7.56 ON JUN 15	0 A ON MAY 1	27 300	1965
1966	---	8.81 ON JUL 15	0 ON MAY 1	42 800	1966
1967	---	9.09 ON JUL 21	0 ON MAY 1	51 800	1967
1968	---	10.1 ON JUN 28 *	0 ON OCT 27	53 600	1968
1969	---	8.88 ON JUN 19	0 ON MAY 1	61 000	1969
1970	---	9.06 ON JUN 10	0 ON MAY 1	48 100	1970
1971	---	9.80 ON JUN 25	0 ON MAY 1	64 100	1971
				51 600	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

EASTERN IRRIGATION DISTRICT SPRINGHILL CANAL NEAR LATHOM - STATION NO. 05CJ004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1917	---	---	---	0	0.209	1.44	4.03	2.21	1.37	0.915	0	---	1.28	1917
1918	---	---	---	0	1.42	5.71	5.52	3.11	1.86	2.47	0.416	---	2.59	1918
1919	---	---	---	0	0.934	5.87	10.4	2.76	2.01	1.53	0	---	3.05	1919
1920	---	---	---	0	0.503	7.97	11.1	5.60	3.95	0.285	0	---	3.89	1920
1921	---	---	---	0	1.17	15.8	20.3	7.74	5.01	2.20	0	---	6.86	1921
1922	---	---	---	0	1.53	14.7	20.9	9.57	5.01	0.521	0	---	5.88	1922
1923	---	---	---	0	5.80	8.54	8.21	6.58	5.44	0.734	0	---	4.16	1923
1924	---	---	---	0.373	9.12	15.5	18.5	8.37	5.42	2.13	0	---	7.71	1924
1925	---	---	---	0	3.27	13.5	17.3	11.1	7.81	0.002	0	---	5.85	1925
1926	---	---	---	0	5.84	18.1	18.4	12.6	10.3	0.180	0	---	8.20	1926
1927	---	---	---	0	0.846	6.41	8.55	7.78	6.52	0	0	---	3.78	1927
1928	---	---	---	0	7.89	14.4	8.20	8.16	7.98	0.192	0	---	5.87	1928
1929	---	---	---	0.873	6.04	14.6	18.7	12.1	10.0	5.55	0	---	8.61	1929
1930	---	---	---	0.496	4.80	18.8	17.8	12.3	10.4	0	0	---	8.10	1930
1945	---	---	---	0	5.40	17.5	22.5	16.5	9.41	7.48	0	---	9.90	1945
1946	---	---	---	0	11.2	19.0	21.3	14.8	9.29	5.04	0	---	10.1	1946
1947	---	---	---	0	3.27	13.3	26.7	14.4	7.40	4.71	0	---	8.79	1947
1948	---	---	---	0	0.222	13.0	24.3	5.40	5.94	5.32	0	---	5.84	1948
1949	---	---	---	0.410	11.0	21.4	24.5	12.3	5.52	5.81	0	---	10.3	1949
1950	---	---	---	0	3.51	21.3	21.8	8.91	4.35	4.17	0	---	8.03	1950
1951	---	---	---	0	0.384	3.29	12.8	11.9	0	3.26	0	---	3.98	1951
1952	---	---	---	0	2.67	16.2	11.8	7.93	5.10	4.29	0	---	6.01	1952
1953	---	---	---	0	0.365	0.608	6.53	9.62	1.51	5.75	0	---	3.34	1953
1954	---	---	---	0	1.33	7.50	19.8	9.25	2.18	4.50	0	---	5.63	1954
1955	---	---	---	0	1.09	11.0	19.5	13.3	3.98	5.40	0	---	5.84	1955
1956	---	---	---	0	2.06	16.9	19.2	6.63	7.20	5.64	0	---	7.35	1956
1957	---	---	---	0	5.82	18.6	21.8	12.2	5.18	6.41	0	---	8.85	1957
1958	---	---	---	0	8.47	22.0	12.0	13.1	3.52	3.71	0	---	7.88	1958
1959	---	---	---	0	2.79	12.8	15.1	9.43	3.74	3.22	0	---	5.89	1959
1960	---	---	---	0	3.21	17.3	20.5	11.4	4.83	4.14	0.001	---	7.89	1960
1961	---	---	---	0.001	4.48	24.3	20.9	13.7	6.28	5.77	0	---	9.46	1961
1962	---	---	---	0.055	4.67	21.6	19.1	12.8	1.74	3.98	0	---	8.03	1962
1963	---	---	---	0	9.83	20.0	10.1	14.1	2.41	4.43	0	---	7.63	1963
1964	---	---	---	0.001	4.98	14.7	18.3	12.6	3.94	3.81	0	---	7.33	1964
1965	---	---	---	0	3.59	12.5	10.4	13.8	2.02	4.20	0	---	5.85	1965
1966	---	---	---	0.260	3.18	14.2	14.7	9.23	2.64	4.32	0	---	6.10	1966
1967	---	---	---	0	0.142	5.38	20.2	14.4	5.33	7.69	0	---	6.71	1967
1968	---	---	---	0.089	6.88	14.4	18.0	9.32	2.08	3.28	0.005	---	6.80	1968
1969	---	---	---	0	3.71	19.6	12.4	12.6	4.41	3.72	0	---	7.08	1969
1970	---	---	---	0	4.48	12.6	12.0	12.1	5.85	3.71	0	---	6.34	1970
1971	---	---	---	0	2.93	13.6	18.4	16.2	6.09	2.82	0	---	7.51	1971
1972	---	---	---	0.003	6.73	18.6	20.1	15.4	6.31	3.42	0	---	8.85	1972
1973	---	---	---	0.001	6.25	9.82	20.8	13.6	5.71	3.70	0.005	---	7.55	1973
1974	---	---	---	0	0.978	17.3	19.8	16.0	7.68	4.78	0	---	8.35	1974
1975	---	---	---	0	1.18	4.36	20.5	13.7	5.37	2.54	0	---	6.00	1975
1976	---	---	---	0	8.92	22.3	18.8	7.75	6.65	4.14	0	---	8.58	1976
1977	---	---	---	1.18	7.00	20.4	23.1	7.38	2.99	1.88	0.002	---	8.03	1977
1978	---	---	---	0.003	1.46	7.49	20.3	8.72	1.62	2.43	0.011	---	5.30	1978
1979	---	---	---	0	2.24	13.4	21.1	10.3	6.73	3.06	0	---	7.15	1979
1980	---	---	---	0.250	9.26	12.9	21.0	8.98	6.48	2.81	0	---	7.77	1980
1981	---	---	---	0	2.21	14.4	18.1	11.1	8.83	3.86	0	---	7.34	1981
1982	---	---	---	0	4.54	17.9	11.0	13.3	4.93	2.52	0	---	6.79	1982
1983	---	---	---	0	4.85	17.3	17.1	15.3	6.30	3.28	0 R	---	8.05R	1983
1984	---	---	---	0.284	9.13	19.3	27.6	9.85	6.95	2.35	0 R	---	8.48R	1984
1985	---	---	---	0	6.84	22.8	25.7	11.1	5.05	0.596	0	---	9.17	1985
1986	---	---	---	0	4.48	25.5	18.7	11.5	6.25	0.085	---	---	---	1986
MEAN	---	---	---	0.077	4.25	14.4	17.3	10.8	5.25	3.32	0.008R	---	6.94	MEAN

LOCATION - LAT 50 43 20 N LONG 112 20 20 W REGULATED

R - REVISED SINCE JAN 1986

EASTERN IRRIGATION DISTRICT SPRINGHILL CANAL NEAR LATHOM - STATION NO 05CJ004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1917	---	4.30 ON JUL 22	0 ON APR 1 *	27 000	1917
1918	---	9.85 ON JUN 17	0 ON APR 1	54 800	1918
1919	---	14.3 ON JUL 15	0 ON APR 1	64 400	1919
1920	---	16.7 ON JUL 4	0 ON APR 1	77 800	1920
1921	---	25.2 ON JUL 3	0 ON APR 1	141 000	1921
1922	---	25.7 A ON JUN 30	0 ON APR 1	141 000	1922
1923	---	14.9 ON JUL 29	0 ON APR 1	87 700	1923
1924	---	20.2 ON JUL 22	0 ON APR 1	163 000	1924
1925	---	19.8 ON JUL 6	0 ON APR 1	140 000	1925
1926	---	20.8 ON JUN 20	0 ON APR 1	173 000	1926
1927	---	9.05 ON AUG 9	0 ON APR 1	78 800	1927
1928	---	19.7 ON JUN 2	0 ON APR 1	124 000	1928
1929	---	20.1 ON JUL 1	0 ON APR 1	179 000	1929
1930	---	24.6 ON JUN 23	0 ON APR 1	171 000	1930
1945	---	29.7 ON JUN 26	0 ON APR 1	209 000	1945
1946	---	29.4 ON JUN 22	0 ON APR 1	214 000	1946
1947	---	27.8 ON JUL 22	0 ON APR 1	185 000	1947
1948	---	28.3 ON JUL 13	0 ON APR 1	146 000	1948
1949	---	28.6 ON JUN 20	0 ON APR 1	217 000	1949
1950	---	27.9 ON JUN 19	0 ON APR 1	189 000	1950
1951	---	24.6 ON JUL 31	0 ON APR 1	83 800	1951
1952	---	23.0 ON JUN 11	0 ON APR 1	127 000	1952
1953	---	14.8 E ON JUL 23	0 ON APR 1	70 500	1953
1954	---	25.8 ON JUL 22	0 ON APR 1	119 000	1954
1955	---	24.4 ON JUL 25	0 ON APR 1	144 000	1955
1956	---	24.2 ON JUN 15	0E ON APR 1	155 000	1956
1957	---	25.4 ON JUL 11	0E ON APR 1	182 000	1957
1958	---	27.9 ON JUN 12	0E ON APR 1	186 000	1958
1959	---	23.1 ON JUL 19	0E ON APR 1	124 000	1959
1960	---	23.4 ON JUL 24	0 ON APR 1	182 000	1960
1961	---	25.7 ON JUN 13	0E ON APR 1	200 000	1961
1962	---	25.7 ON JUL 4	0E ON APR 1	169 000	1962
1963	---	28.6 ON JUN 8	0E ON APR 1	181 000	1963
1964	---	26.3 ON JUL 25	0E ON APR 1	154 000	1964
1965	---	23.4 ON JUL 30	0 ON APR 1	123 000	1965
1966	---	20.5 ON JUN 24	0E ON APR 1	128 000	1966
1967	---	28.6 ON JUL 30	0 ON APR 1	141 000	1967
1968	---	26.4 ON JUN 25	0E ON APR 1	143 000	1968
1969	---	24.1 ON JUN 28	0E ON APR 1	149 000	1969
1970	---	28.9 ON JUN 10	0 ON APR 1	134 000	1970
1971	---	27.3 ON AUG 4	0 ON APR 1	158 000	1971
1972	---	23.7 ON JUN 9	0E ON APR 1	187 000	1972
1973	---	26.6 ON JUL 28	0 ON APR 1	159 000	1973
1974	---	29.2 ON JUL 30	0E ON APR 1	176 000	1974
1975	---	30.3 ON JUL 19	0E ON APR 1	127 000	1975
1976	---	25.3 ON JUN 15	0E ON APR 1	181 000	1976
1977	---	27.3 ON JUL 25	0A ON APR 1	189 000	1977
1978	---	28.1 ON JUL 14	0 ON MAY 1	112 000	1978
1979	---	25.2 ON JUL 24	0E ON APR 1	151 000	1979
1980	---	24.0 ON JUL 14	0E ON APR 1	184 000	1980
1981	---	26.9 ON JUL 19	0 ON APR 1	155 000	1981
1982	---	29.2 ON JUN 26	0E ON APR 1	143 000	1982
1983	---	23.0 ON JUL 30	0 ON APR 1	170 000R	1983
1984	---	30.7 ON JUL 26	0 ON APR 1	200 000R	1984
1985	---	32.6 ON JUL 14 *	0 ON APR 1	193 000	1985
1986	---	27.8 ON JUN 18	0A ON APR 1	---	1986
				146 000R	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX) E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD R - REVISED SINCE JAN 1 1986

EASTERN IRRIGATION DISTRICT WEST BANTRY CANAL NEAR HEADGATE - STATION NO 05BN003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1918	---	---	---	---	0.285	0.915	1.03	0.240	0.277	0.389	0.107	---	0.519	1918
1955	---	---	---	---	0.008	2.84	4.78	2.51	0.494	0.917	0	---	1.93	1955
1956	---	---	---	---	0.108	3.72	4.59	0.583	0.820	1.10	0	---	1.82	1956
1957	---	---	---	---	1.22	4.30	5.42	1.55	0.724	0.733	0	---	2.49	1957
1958	---	---	---	---	1.64	4.40	3.50	1.87	1.15	0.815	0	---	2.21	1958
1959	---	---	---	---	0.229	4.09	5.04	1.51	0.718	0.331	0	---	2.15	1959
1960	---	---	---	---	0.505	5.68	5.58	1.64	1.25	1.32	0	---	2.82	1960
1961	---	---	---	---	3.21	6.80	5.88	2.81	1.47	1.77	0	---	3.85	1961
1962	---	---	---	---	2.40	6.01	4.81	3.55	0.629	1.41	0	---	3.13	1962
1963	---	---	---	---	3.50	5.57	1.55	2.61	0.534	0.979	0	---	2.45	1963
1964	---	---	---	---	1.31	3.71	4.78	3.12	0.953	0.557	0	---	2.41	1964
1965	---	---	---	---	0.922	3.66	2.27	3.24	0.480	0.801	0	---	1.89	1965
1966	---	---	---	---	1.22	4.56	5.49	2.14	0.644	1.17	0	---	2.54	1966
1967	---	---	---	---	0.048	2.05	5.56	4.26	1.26	2.56	0	---	2.70	1967
1968	---	---	---	0.382	4.19	5.06	5.77	2.15	1.14	1.12	0.001	---	3.24	1968
1969	---	---	---	---	0.722	5.67	4.37	3.66	0.977	1.58	0	---	2.83	1969
1970	---	---	---	---	1.84	2.56	2.89	3.02	2.54	0.066	0	---	2.16	1970
1971	---	---	---	0	0.835	4.20	5.30	3.77	0.870	0.569	0	---	2.76	1971
MEAN	---	---	---	0.181	1.34	4.20	4.62	2.47	0.540	0.887	0.006	---	2.43	MEAN

LOCATION - LAT 50 32 05 N
LONG 111 49 10 W REGULATED

EASTERN IRRIGATION DISTRICT WEST BANTRY CANAL NEAR HEADGATE - STATION NO 05BN003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1918	---	1.73 ON JUN 10	0 ON MAY 1 *	8 260	1918
1955	---	5.78 ON JUL 6	0 ON MAY 1	30 600	1955
1956	---	6.30 ON JUN 26	0 ON MAY 1	38 000	1956
1957	---	7.02 ON JUL 12	0 ON MAY 1	38 600	1957
1958	---	6.78 ON JUN 18	0 ON MAY 1	35 100	1958
1959	---	7.45 ON JUN 26	0 ON MAY 1	34 200	1959
1960	---	8.30 ON JUL 15	0 ON MAY 1	44 800	1960
1961	---	7.33 ON JUN 26	0 ON MAY 18	38 000	1961
1962	---	6.85 ON JUN 25	0 ON MAY 1	40 800	1962
1963	---	7.33 ON JUN 20	0 ON MAY 1	38 800	1963
1964	---	5.89 ON JUL 30	0 ON MAY 1	36 300	1964
1965	---	5.72 ON JUN 11	0 ON MAY 1	30 100	1965
1966	---	9.37 ON JUN 29 *	0E ON MAY 1	40 300	1966
1967	---	7.08 ON JUL 18	0 ON MAY 1	42 800	1967
1968	---	7.50 ON JUL 5	0 ON SEP 15	51 400	1968
1969	---	7.33 ON JUN 26	0 ON MAY 1	44 800	1969
1970	---	5.95 ON JUN 5	0 ON MAY 1	34 400	1970
1971	---	6.97 ON JUL 23	0 ON MAY 1	43 900	1971
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		38 600	MEAN

E - ESTIMATED

ELBOW RIVER ABOVE ELBOW FALLS - STATION NO 05BJ005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	2.37	2.03	12.0	31.6	12.7	6.42	4.61	3.61	---	---	9.49	1967
1968	---	---	1.85	2.07	6.28	17.9	10.6	7.38	5.88	5.49	3.70	2.89	7.30	1968
1969	2.70	2.17	1.87	2.84	11.6	21.0	20.1	8.88	4.84	3.83	3.31	2.89	9.15	1969
1970	2.10	2.13	1.80	1.85	8.40	22.8	9.07	4.65	4.01	3.48	2.59	2.19	8.08	1970
1971	2.10	1.86	1.87	2.26	10.6	20.1	8.35	5.19	3.77	3.54	2.84	2.21	6.80	1971
1972	2.18	1.76	2.05	2.22	10.9	22.8	12.4	8.51	6.24	4.46	3.43	2.89	8.67	1972
1973	2.22	2.16	2.04	2.18	9.86	19.2	9.50	5.49	4.47	3.99	2.92	2.46	7.32	1973
1974	2.10	1.88	1.79	2.46	8.95	29.7	14.6	9.35	7.37	4.38	3.49	2.81	9.78	1974
1975	1.88	2.31	1.81	2.03	5.04	18.3	13.9	6.48	4.42	3.65	3.74	2.40	7.05	1975
1976	1.92	1.73	1.88	2.06	8.68	9.14	8.42	10.7	6.17	4.26	3.13	2.68	6.39	1976
1977	2.15	1.87	1.78	1.99	4.87	7.22	4.05	5.07	4.33	3.41	---	---	4.21	1977
1978	---	---	1.45	1.96	7.23	18.3	12.1	5.51	5.58	4.63	---	---	7.20	1978
1979	---	---	1.87	2.26	7.99	10.7	6.56	4.32	3.45	2.89	---	---	4.89	1979
1980	---	---	1.49	2.22	9.71	23.2	8.63	7.18	5.00	4.67	---	---	7.51	1980
1981	---	---	1.87	2.06	18.5	23.5	17.3	9.24	5.00	3.76	---	---	10.2	1981
1982	---	---	1.72	1.85	4.15	17.3	7.82	4.38	3.75	3.86	---	---	5.81	1982
1983	---	---	1.85	2.31	9.63	11.1	9.14	4.80	3.35	2.98	---	---	5.84	1983
1984	---	---	1.57	1.63	3.21	11.4	5.81	3.89	2.89	3.25	---	---	4.20	1984
1985	---	---	1.57	1.87	5.58	9.65	5.31	7.24	10.7	5.61	---	---	6.04	1985
1986	---	---	2.08	2.15	11.6	15.5	9.22	7.14	5.95	6.49	---	---	7.84	1986
MEAN	2.12	1.98	1.81	2.12	8.80	18.0	10.2	6.59	5.24	4.11	3.13	2.54	7.11	MEAN

LOCATION - LAT 50 51 20 N LONG 114 47 37 W
DRAINAGE AREA 437 km^2
NATURAL FLOW

ELBOW RIVER ABOVE ELBOW FALLS - STATION NO 05BJ005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	5 290 AT 22 00 MST ON MAY 30 *	105 ON MAY 31 *	1 648 ON APR 20	201 000	1967
1968	33.1 AT 00 31 MST ON JUN 3	27.3 ON JUN 10	1 65 ON APR 4	152 000	1968
1969	85.1 AT 09 20 MST ON JUN 29	57.8 ON JUN 29	1 768 ON MAR 1	154 000	1969
1970	56.9 AT 18 48 MST ON JUN 16	52.1 ON JUN 16	1 88 ON MAR 7	146 000	1970
1971	58.5 AT 05 00 MST ON JUN 6	49.0 ON JUN 6	1 80 ON MAR 8	146 000	1971
1972	43.5 AT 01 30 MST ON JUN 1	36.8 ON JUN 1	1 648 ON MAR 1	183 000	1972
1973	36.8 AT 04 30 MST ON JUN 7	31.7 ON JUN 7	1 97 ON APR 2	155 000	1973
1974	81.4 AT 01 00 MST ON JUN 17	52.7 ON JUN 17	1 70 ON MAR 11	207 000	1974
1975	45.7 AT 23 30 MST ON JUN 19	39.4 ON JUN 20	1 868 ON MAR 29	149 000	1975
1976	30.0 AT 03 00 MST ON AUG 8	24.8 ON AUG 8	1 93 ON MAR 30	135 000	1976
1977	16.2 AT 10 00 MST ON AUG 13	13.6 ON AUG 14	1 72 ON MAR 28	89 100	1977
1978	46.0 AT 22 00 MST ON JUN 5	35.7 ON JUN 6	1 22 ON MAR 23	152 000	1978
1979	31.5 AT 23 00 MST ON MAY 26	23.2 ON MAY 27	1 858 ON MAR 22	106 000	1979
1980	46.8 AT 00 30 MST ON JUN 11	38.0 ON JUN 11	1 42 ON MAR 30	159 000	1980
1981	76.5 AT 00 30 MST ON MAY 26	62.1 ON MAY 26	1 70E ON MAR 1	215 000	1981
1982	28.4 AT 23 20 MST ON JUN 13	25.0 ON JUN 16	1 80 ON MAR 20	119 000	1982
1983	31.2 AT 21 46 MST ON MAY 28	24.2 ON MAY 28	1 55 ON MAR 26	119 000	1983
1984	23.2 AT 22 05 MST ON MAY 30	16.7 ON JUN 15	1 66 ON APR 2	86 800	1984
1985	47.8 AT 22 01 MST ON SEP 12	34.9 ON SEP 13	1 169 ON MAR 5 *	139 000	1985
1986	52.2 AT 23 25 MST ON MAY 27	43.2 ON MAY 28	1 91 ON MAR 19	162 000	1986
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		150 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED

ELBOW RIVER ABOVE GLENMORE DAM - STATION NO. 05BJ005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1933	---	---	---	---	---	19.0	10.3	7.44	5.73	4.26	4.42	2.91	---	1933
1934	3.55	3.11	3.43	4.74	10.0	14.2	8.88	6.76	6.32	4.07	3.70	2.40	5.59	1934
1935	2.32	2.08	2.36	5.81	9.32	17.0	9.51	6.10	4.48	4.10	3.46	2.47	5.98	1935
1936	1.89	1.80	2.71	5.82	8.11	13.1	6.16	3.82	3.58	3.25	2.66	1.77	4.35	1936
1937	1.97	1.89	2.22	3.24	5.00	22.7	13.6	8.13	6.34	7.01	5.90	3.41	6.80	1937
1938	2.24	2.49	3.39	5.10	20.0	25.5	22.8	8.72	6.37	5.64	4.74	2.75	9.27	1938
1939	3.04	2.24	3.40	4.18	8.21	32.2	14.3	6.01	5.22	5.58	5.95	3.63	7.77	1939
1940	2.44	2.95	3.09	5.45	14.3	11.1	8.20	6.80	15.7	7.75	6.83	3.71	7.35	1940
1941	2.74	2.76	3.82	3.94	4.67	14.8	9.48	5.83	9.18	8.97	6.87	3.10	5.63	1941
1942	2.75	2.47	2.96	3.94	30.6	81.4	31.6	20.3	16.7	12.6	6.75	4.72	15.0	1942
1943	3.01	4.80	5.30	15.2	11.0	20.7	16.7	8.35	6.42	5.06	4.18	3.22	8.75	1943
1944	2.48	2.83	2.77	4.24	8.37	15.0	9.51	10.9	8.71	9.01	3.91	2.86	5.93	1944
1945	2.57	2.38	3.03	3.79	20.7	42.9	23.3	10.9	9.92	10.7	6.56	4.44	11.8	1945
1946	3.91	3.46	5.67	5.32	11.1	25.0	13.1	10.7	14.1	8.41	5.92	4.79	9.39	1946
1947	3.96	3.45	6.03	10.8	24.7	30.4	15.5	11.3	12.2	10.1	7.79	5.52	12.1	1947
1948	4.33	3.03	3.77	13.3	44.3	39.4	18.3	16.4	7.79	5.91	4.72	2.36	13.6	1948
1949	3.40	3.20	3.53	6.86	9.87	12.4	6.98	6.78	8.70	4.58	3.63	2.86	5.81	1949
1950	2.80	2.93	2.73	6.24	9.65	22.2	16.8	11.2	5.85	9.15	3.48	3.22	7.87	1950
1951	2.30	2.73	3.45	6.13	27.9	43.5	43.1	20.3	35.7	19.6	12.1	5.81	19.1	1951
1952	5.09	5.03	5.27	23.5	18.5	32.9	26.9	17.3	11.8	8.80	5.71	3.91	13.9	1952
1953	3.50	3.94	4.51	9.68	24.9	64.1	27.5	11.8	7.88	6.23	4.79	4.06	14.4	1953
1954	3.04	4.17	3.10	6.08	23.3	31.8	20.8	18.0	13.7	11.6	6.26	5.85	12.6	1954
1955	3.89	3.81	3.84	8.21	25.4	25.7	22.5	8.32	5.87	5.44	3.84	3.70	10.2	1955
1956	3.47	2.78	3.69	5.47	16.4	16.6	19.8	6.80	5.95	5.00	3.85	3.05	6.17	1956
1957	2.50	2.75	3.65	6.41	30.2	19.9	8.90	6.20	6.23	5.13	5.71	3.70	7.71	1957
1958	3.17	2.72	3.00	13.2	24.2	23.3	32.0	13.0	8.85	5.80	4.50	3.71	11.5	1958
1959	2.80	3.08	3.47	5.02	12.6	24.6	14.3	7.52	8.24	5.66	5.16	3.84	8.12	1959
1960	2.79	3.56	5.11	5.13	12.7	20.0	11.9	7.48	4.51	4.32	3.45	2.86	7.09	1960
1961	2.62	2.43	3.22	3.73	18.9	21.2	11.6	11.0	6.74	10.6	6.36	3.24	8.52	1961
1962	3.67	3.52	3.65	9.95	12.6	19.1	8.35	5.20	6.36	4.58	3.55	2.60	6.92	1962
1963	2.30	3.84	3.42	3.88	7.88	30.6	25.6	7.85	5.70	5.26	4.29	3.22	8.65	1963
1964	2.70	3.09	2.42	4.41	18.7	36.3	14.2	6.88	6.12	6.19	4.49	2.86	9.02	1964
1965	3.17	3.39	3.88	10.8	8.56	34.8	31.6	19.6	17.8	14.2	6.62	5.15	13.3	1965
1966	3.93	4.11	5.85	6.80	15.8	23.0	15.4	8.87	8.21	6.90	4.41	3.11	8.86	1966
1967	2.56	2.92	2.98	7.20	24.1	46.9	15.6	7.87	6.88	4.49	3.53	2.86	10.7	1967
1968	2.86	2.84	3.90	3.88	10.1	26.5	14.9	10.9	9.24	10.3	6.50	2.95	8.51	1968
1969	3.24	3.41	4.08	13.3	24.1	37.2	36.3	7.88	8.11	6.05	4.61	3.10	12.4	1969
1970	2.80	2.83	3.59	4.58	15.6	33.0	12.5	5.69	5.08	4.20	3.28	3.01	8.03	1970
1971	2.80	2.65	2.54	11.0	15.8	30.0	9.84	5.57	5.01	4.89	3.58	2.29	7.96	1971
1972	2.91	2.76	5.81	5.88	18.4	29.8	17.0	8.76	7.10	5.32	4.12	3.11	9.18	1972
1973	3.24	3.18	5.41	6.67	17.8	26.8	10.3	8.23	7.40	5.10	3.84	3.17	8.28	1973
1974	2.38	2.82	2.84	8.95	23.8	37.0	14.5	10.8	7.37	4.87	3.87	2.87	10.2	1974
1975	2.58	3.23	3.31	5.75	9.53	22.5	13.8	7.08	5.57	4.87	3.31	2.98	7.05	1975
1976	2.21	2.77	3.18	5.59	12.6	11.0	6.84	18.4	7.67	6.06	4.24	3.73	7.22	1976
1977	3.03	3.48	3.31	4.82	8.15	8.55	5.32	7.92	6.29	5.51	3.80	2.74	5.26	1977
MEAN	2.89	3.09	3.75	7.23	18.1	25.7	15.5	9.80	8.40	6.77	4.87	3.42	9.21	MEAN

LOCATION - LAT 51 00 00 N
LONG 114 06 00 W

DRAINAGE AREA 1 220 km²
NATURAL FLOW

DATA CONTRIBUTED BY -
CITY OF CALGARY WATER WORKS DEPARTMENT

ELBOW RIVER ABOVE GLENMORE DAM - STATION NO. 05BJ005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1933	...	...	...	...	1933
1934	...	34.0 ON JUN 10	0.453 ON DEC 26	177 000	1934
1935	...	39.8 ON JUN 18	0.821 ON JAN 1	185 000	1935
1936	...	32.3 ON JUN 2	0.793 ON DEC 8	154 000	1936
1937	...	53.2 ON JUN 14	0.934 ON FEB 13	214 000	1937
1938	...	80.3 ON JUL 3	0.823 ON DEC 28	283 000	1938
1939	...	90.6 ON JUN 17	1.19 ON DEC 26	245 000	1939
1940	...	36.2 ON SEP 8	1.02 ON JAN 17	233 000	1940
1941	...	39.1 ON JUN 2	0.850 ON JAN 17	178 000	1941
1942	...	127 ON MAY 11	0.936 ON JAN 8	472 000	1942
1943	...	31.1 ON APR 6	0.453 ON JAN 18	276 000	1943
1944	...	33.9 ON JUN 13	0.340 ON JAN 13	188 000	1944
1945	...	74.6 ON JUN 1	0.821 ON JAN 4	372 000	1945
1946	...	90.7 ON JUN 7	1.96 ON JAN 27	296 000	1946
1947	...	86.2 ON MAY 11	1.32 ON FEB 3	380 000	1947
1948	...	137 ON MAY 23	0.850 ON DEC 13	435 000	1948
1949	...	18.7 ON MAY 22	1.10 ON DEC 20	177 000	1949
1950	...	35.1 ON JUN 15	1.53 ON NOV 18	242 000	1950
1951	...	137 ON AUG 21	1.42 ON JAN 5	403 000	1951
1952	...	78.0 ON JUN 23	2.83 ON DEC 26	439 000	1952
1953	...	132 ON JUN 8	1.59 ON JAN 8	455 000	1953
1954	...	46.1 ON AUG 25	1.05 ON JAN 18	307 000	1954
1955	...	45.8 ON MAY 20	1.70 ON MAR 25	332 000	1955
1956	...	37.4 ON JUL 4	0.198 ON DEC 5 *	258 000	1956
1957	...	30.3 ON JUN 8	0.834 ON JAN 9	243 000	1957
1958	...	54.8 ON JUL 14	1.37 ON DEC 7	383 000	1958
1959	...	49.3 ON JUN 27	0.765 ON JAN 6	358 000	1959
1960	...	30.0 ON JUN 4	1.13 ON DEC 20	326 000	1960
1961	...	51.0 ON MAY 27	0.793 ON FEB 18	359 000	1961
1962	...	37.8 ON JUN 17	0.992 ON DEC 31	318 000	1962
1963	...	124 ON JUN 30	1.02 ON DEC 31	373 000	1963
1964	...	62.9 ON JUN 9	1.27 ON JAN 12	385 000	1964
1965	...	104 ON JUN 18	3.01 ON DEC 29	430 000	1965
1966	...	38.6 ON JUL 3	1.36 ON JAN 9	372 000	1966
1967	...	198 ON MAY 31 *	1.13 ON DEC 23	336 000	1967
1968	...	81.3 ON JUN 8	1.05 ON JAN 9	397 000	1968
1969	...	135 ON JUN 30	1.44 ON DEC 25	391 000	1969
1970	...	37.1 ON JUN 16	0.878 ON JAN 7	353 000	1970
1971	...	46.2 ON JUN 6	0.903 ON DEC 12	351 000	1971
1972	...	41.8 ON JUN 1	1.04 ON DEC 8	390 000	1972
1973	...	46.3 ON MAY 27	3.10 ON DEC 15	381 000	1973
1974	...	52.0 ON JUN 16	1.13 ON JAN 9	321 000	1974
1975	...	48.0 ON JUN 21	0.785 ON JAN 11	332 000	1975
1976	...	37.9 ON AUG 8	0.831 ON MAR 6	238 000	1976
1977	...	16.3 ON AUG 19	1.42 ON DEC 10	188 000	1977
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		291 000	MEAN

ELBOW RIVER AT BRAGG CREEK - STATION NO 05BJ004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1935	---	---	---	---	8.72	13.9	11.1	---	---	---	---	---	---	1935
1936	---	---	---	---	---	5.81	2.32	---	---	---	---	---	---	1936
1937	---	---	---	---	4.52	20.5	12.9	5.02	---	---	---	---	---	1937
1938	---	---	---	---	21.8	27.0	27.3	8.47	---	---	---	---	---	1938
1939	---	---	---	---	---	36.4	15.0	3.48	---	---	---	---	---	1939
1940	---	---	---	---	9.86	10.3	7.42	4.28	---	---	---	---	---	1940
1941	---	---	---	---	---	17.2	3.86	---	---	---	---	---	---	1941
1942	---	---	---	---	37.2	41.4	35.0	---	---	---	---	---	---	1942
1943	---	---	---	---	13.9	31.2	31.2	---	---	---	---	---	---	1943
1944	---	---	---	---	---	12.9	---	---	---	---	---	---	---	1944
1945	---	---	---	---	20.5	46.1	26.4	---	---	---	---	---	---	1945
1946	---	---	---	---	10.7	22.7	12.2	---	---	---	---	---	---	1946
1947	---	---	---	---	22.8	30.5	18.1	---	---	---	---	---	---	1947
1948	---	---	---	---	39.6	37.9	---	---	---	---	---	---	---	1948
1949	---	---	---	---	8.12	11.8	8.17	5.75	5.68	5.18	---	---	---	1949
1950	---	---	---	2.78	9.00	21.9	15.4	9.57	6.77	4.79	---	---	---	1950
1951	---	---	---	4.68	25.0	39.5	41.3	20.3	29.5	14.2	---	---	---	1951
1952	---	---	0.12	9.34	16.6	28.5	20.4	15.4	9.54	6.97	---	---	---	1952
1953	---	---	2.04	6.60	20.3	62.5	24.8	11.0	7.58	5.14	---	---	---	1953
1954	---	---	2.69	3.58	18.2	24.5	17.9	15.9	12.4	11.3	---	---	---	1954
1955	---	---	2.80	5.61	14.9	22.5	19.0	8.67	6.13	5.44	---	---	---	1955
1956	---	---	2.83	4.58	13.7	16.0	16.0	7.83	6.49	5.24	---	---	---	1956
1957	---	---	2.80	4.19	16.5	16.9	8.86	6.52	6.78	6.24	---	---	---	1957
1958	---	---	2.55	4.33	20.6	21.9	25.1	11.4	8.11	5.94	---	---	---	1958
1959	---	---	2.39	4.67	11.0	21.1	12.3	7.70	6.05	6.55	---	---	---	1959
1960	---	---	2.77	5.01	11.3	17.4	11.2	8.24	5.28	4.51	---	---	---	1960
1961	---	---	2.69	3.44	18.2	20.8	11.2	10.0	7.35	5.88	---	---	---	1961
1962	---	---	2.62	7.73	12.2	17.8	9.38	6.25	5.72	5.06	---	---	---	1962
1963	---	---	2.26	2.86	7.99	30.5	19.7	8.36	6.99	5.81	---	---	---	1963
1964	---	---	2.65	4.38	14.7	34.8	13.5	7.18	6.72	6.28	---	---	---	1964
1965	---	---	1.62	6.13	7.45	32.9	21.7	16.4	13.8	13.0	---	---	---	1965
1966	---	---	4.06	4.88	14.1	21.8	14.0	10.1	7.38	6.28	---	---	---	1966
1967	---	---	2.59	3.88	24.4	46.1	16.5	8.82	6.44	5.35	---	---	---	1967
1968	---	---	3.20	3.78	9.83	24.1	12.6	9.67	8.58	8.75	---	---	---	1968
1969	---	---	3.60	8.12	21.2	33.1	28.1	7.87	6.88	5.86	---	---	---	1969
1970	---	---	2.19	3.78	12.8	30.5	11.6	8.79	6.88	4.78	---	---	---	1970
1971	---	---	2.88	6.68	17.1	29.1	11.3	8.56	6.45	5.05	4.34	3.17	---	1971
1972	2.99	2.93	4.07	9.06	18.2	30.9	16.7	10.4	7.75	6.21	---	---	---	1972
1973	---	---	3.35	6.01	19.9	35.7	12.3	7.49	6.19	5.28	---	---	---	1973
1974	---	---	3.33	9.18	20.3	35.7	14.3	10.7	8.74	6.37	---	---	---	1974
1975	---	---	3.18	3.88	9.32	20.4	15.1	8.48	6.83	4.85	---	---	---	1975
1976	---	---	3.88	4.16	11.8	11.3	10.3	15.0	8.50	5.88	---	---	---	1976
1977	---	---	2.79	3.62	7.56	9.53	6.63	8.02	6.76	5.53	4.23	3.37	---	1977
1978	2.68	2.36	2.39	4.68	13.6	23.4	15.8	9.48	8.18	6.82	4.85	3.92	8.18	1978
1979	2.69	2.97	3.35	6.85	13.3	13.1	8.06	6.84	4.80	3.92	3.14	3.10	5.70	1979
1980	1.88	2.01	2.18	5.83	13.7	29.6	8.70	8.91	7.74	6.39	4.50	4.89	7.97	1980
1981	2.88	2.66	2.80	3.88	30.0	30.5	20.6	13.1	8.89	6.89	4.53	3.39	10.6	1981
1982	2.33	2.07	2.85	3.80	6.24	21.3	11.0	6.80	6.16	5.48	3.82	3.01	6.21	1982
1983	2.95	2.92	2.89	4.90	13.6	14.1	12.3	8.67	6.12	4.40	3.34	2.38	6.32	1983
1984	2.34	2.33	2.81	3.38	4.95	14.6	7.82	5.35	4.52	4.78	3.33	2.59	4.88	1984
1985	2.92	2.12	2.63	2.78	8.45	10.7	6.27	9.26	15.8	8.01	4.80	3.70	5.48	1985
1986	2.94	2.86	2.82	2.72	18.1	20.0	12.8	8.82	7.74	11.1	6.81	4.07	8.40	1986
MEAN	2.68	2.63	2.68	4.78	15.5	24.8	15.4	9.10	8.02	6.84	4.30	3.32	7.19	MEAN

LOCATION - LAT 50 56 53 N DRAINAGE AREA 791 km²
LONG 114 56 10 W NATURAL FLOW

ELBOW RIVER AT BRACE CREEK - STATION NO 05BJ004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1935	---	23.6 ON JUN 17	---	---	1935
1936	---	27.5 ON JUN 1	---	---	1936
1937	---	64.8 ON JUN 13	---	---	1937
1938	---	77.9 ON JUL 2	---	---	1938
1939	---	74.8 ON JUN 22	---	---	1939
1940	---	21.2 ON MAY 25	---	---	1940
1941	---	44.6 ON JUN 2	---	---	1941
1942	---	155 ON MAY 11	---	---	1942
1943	---	44.2 ON JUL 3	---	---	1943
1944	---	22.9 ON JUN 13	---	---	1944
1945	---	107 ON MAY 26	---	---	1945
1946	---	42.5 ON MAY 29	---	---	1946
1947	---	80.6 ON MAY 10	---	---	1947
1948	---	183 E ON MAY 23	---	---	1948
1949	---	17.6 ON MAY 22	---	---	1949
1950	58.0 ON JUN 15	44.2 ON JUN 15	---	---	1950
1951	110 AT 18:00 MST ON AUG 30	82.7 ON AUG 30	---	---	1951
1952	71.4 AT 14:30 MST ON JUN 12	59.7 ON JUN 23	---	---	1952
1953	181 AT 03:00 MST ON JUN 13	118 ON JUN 13	---	---	1953
1954	43.9 AT 08:00 MST ON AUG 25	39.4 ON AUG 25	---	---	1954
1955	47.6 AT 23:00 MST ON MAY 19	37.1 ON JUN 12	---	---	1955
1956	35.4 AT 03:00 MST ON MAY 21	30.9 ON MAY 21	---	---	1956
1957	30.0 AT 12:00 MST ON JUN 8	28.9 ON JUN 8	---	---	1957
1958	40.2 AT 05:00 MST ON JUL 13	37.8 ON JUL 13	---	---	1958
1959	45.9 AT 08:30 MST ON JUN 27	39.9 ON JUN 27	---	---	1959
1960	28.4 AT 14:00 MST ON JUN 3	28.8 ON JUN 3	---	---	1960
1961	57.2 AT 10:00 MST ON MAY 27	51.0 ON MAY 27	---	---	1961
1962	28.9 AT 03:00 MST ON JUN 16	26.1 ON JUN 16	---	---	1962
1963	288 AT 23:00 MST ON JUN 29	141 R ON JUN 30	---	---	1963
1964	97.4 AT 05:00 MST ON JUN 8	89.5 ON JUN 8	---	---	1964
1965	184 AT 08:00 MST ON JUN 18	137 R ON JUN 18	---	---	1965
1966	32.3 AT 02:00 MST ON JUN 5	30.6 ON JUN 5	---	---	1966
1967	283 AT 01:30 MST ON MAY 31 *	185 ON MAY 31 *	---	---	1967
1968	50.7 AT 00:35 MST ON JUN 10	43.9 ON JUN 8	---	---	1968
1969	170 R AT 10:28 MST ON JUN 29	138 R ON JUN 29	---	---	1969
1970	112 AT 07:10 MST ON JUN 14	92.0R ON JUN 14	---	---	1970
1971	116 AT 09:05 MST ON JUN 6	89.2R ON JUN 6	---	---	1971
1972	66.1 AT 04:15 MST ON JUN 1	49.8 ON JUN 1	---	---	1972
1973	47.0 AT 08:10 MST ON JUN 7	43.3R ON MAY 26	---	---	1973
1974	170 AT 10:28 MST ON JUN 29	86.0 ON JUN 17	---	---	1974
1975	53.5 AT 04:30 MST ON JUN 20	49.3 ON JUN 20	---	---	1975
1976	42.5 AT 05:00 MST ON AUG 6	36.0 ON AUG 6	---	---	1976
1977	17.1 AT 14:00 MST ON AUG 13	15.6 ON AUG 14	---	---	1977
1978	49.8 AT 02:30 MST ON JUN 6	44.5 ON JUN 6	1 708 ON MAR 4	257 000	1978
1979	38.4 AT 02:50 MST ON MAY 27	33.1 ON MAY 27	1 958 ON JAN 1	180 000	1979
1980	89.3 ON JUN 4	51.7A ON JUN 3	1 408 ON JAN 10	252 000	1980
1981	123 AT 04:30 MST ON MAY 26	98.2 ON MAY 26	1 618 ON FEB 6	334 000	1981
1982	30.7 AT 02:22 MST ON JUN 14	28.9 ON JUN 15	2 358 ON MAR 30	195 000	1982
1983	31.5 AT 01:47 MST ON APR 25	26.2 ON MAY 30	2 228 ON DEC 1	189 000	1983
1984	21.1 AT 03:09 MST ON JUN 12	19.4 ON JUN 12	1 668 ON JAN 19	164 000	1984
1985	78.7 AT 01:57 MST ON SEP 13	61.2 ON SEP 13	1 138 ON JAN 31 *	204 000	1985
1986	57.2 AT 01:49 MST ON MAY 26	48.8 ON MAY 26	2 508 ON FEB 19	285 000	1986
				227 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD R - REVISED SINCE JAN 1 1985

ELBOW RIVER AT CLEM GARDINER BRIDGE - STATION NO 05BJ011

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	18.0	18.0	9.27	5.73	---	---	---	---	---	1978
MEAN	---	---	---	---	18.0	18.0	9.27	5.73	---	---	---	---	---	MEAN

LOCATION - LAT 51 02 30 N LONG 114 28 00 W DRAINAGE AREA 871 km^2 NATURAL FLOW

DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

ELBOW RIVER AT CLEM GARDINER BRIDGE - STATION NO 05BJ011

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	49.8 AT 07:30 MST ON MAY 27 *	38.3 ON MAY 27 *	---	---	1978
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ELBOW RIVER AT FULLERTON'S RANCH - STATION NO 05BJ003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	---	---	---	---	---	7 99	7 33	3 42	---	1914
1915	3 10	2 92	3 95	4 01	30 8	---	---	15 9	10 1	12 3	8 10	5 24	---	1915
1916	2 39	2 86	3 69	7 81	---	---	---	---	---	13 3	8 83	6 05	---	1916
1917	5 08	4 42	4 51	5 93	27 8	41 5	19 7	9 27	7 89	6 13	5 34	3 97	11 8	1917
1918	3 38	2 76	4 38	5 06	9 09	16 4	11 0	10 2	8 39	---	---	---	---	1918
1919	---	---	---	---	---	---	---	---	---	6 04	4 12	3 80	---	1919
1920	3 23	3 05	3 02	5 19	25 1	22 4	30 2	9 84	5 95	4 90	4 21	3 12	10 1	1920
1921	3 83	2 92	2 83	5 25	20 8	18 8	10 6	7 60	5 00	4 84	4 00	2 79	7 37	1921
1922	2 86	2 27	2 46	4 05	17 0	17 1	10 8	7 33	5 32	4 21	3 62	2 19	6 93	1922
1923	2 14	1 83	---	---	---	---	---	---	---	---	---	---	---	1923
MEAN	3 08	2 68	3 55	5 41	21 8	23 7	16 5	10 2	7 75	7 46	5 75	3 79	8 87	MEAN

LOCATION - LAT 50 56 43 N LONG 114 34 35 W DRAINAGE AREA 742 km² NATURAL FLOW

ELBOW RIVER AT FULLERTON'S RANCH - STATION NO 05BJ003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1914	---	---	---	---	1914
1915	---	---	1 708 ON FEB 1	---	1915
1916	---	---	1 378 ON FEB 2 *	---	1916
1917	---	85 4 ON JUN 2 *	2 108 ON DEC 13	373 000	1917
1918	---	30 3 ON JUN 10	1 868 ON FEB 20	---	1918
1919	---	---	---	---	1919
1920	---	54 1 ON JUL 12	1 958 ON DEC 22	316 000	1920
1921	---	36 0 ON MAY 27	1 278 ON DEC 25	233 000	1921
1922	---	27 0 ON JUN 4	1 309 ON DEC 13	209 000	1922
1923	---	3 089 ON JAN 1	1 708 ON JAN 18	---	1923
				283 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ELBOW RIVER AT SARCEE BRIDGE - STATION NO 05BJ010

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1979	---	---	---	6 37	14 8	18 1	8 27	6 28	4 83	3 89	---	---	8 84	1979
1980	---	---	---	---	12 6	38 8	8 26	6 47	6 22	6 94	---	---	12 1	1980
1981	---	---	---	3 16	31 2	35 2	22 6	14 4	7 40	6 10	---	---	19 5	1981
1982	---	---	---	---	7 02	23 4	11 9	8 18	5 55	6 74	---	---	10 2	1982
1983	---	---	---	6 82	15 4	15 9	13 2	9 07	4 70	4 17	---	---	9 88	1983
1984	---	---	---	4 31	5 20	16 1	---	---	---	5 86	---	---	---	1984
1985	---	---	---	4 83	6 92	11 8	5 99	3 81	16 2	8 42	---	---	9 93	1985
1986	---	---	---	6 14	16 7	22 5	13 5	8 63	8 80	11 6	---	---	13 6	1986
MEAN	---	---	---	6 91	14 0	21 0	12 0	8 38	8 07	8 89	---	---	12 0	MEAN

LOCATION - LAT 50 59 40 N LONG 114 10 00 W DRAINAGE AREA 1 180 km² NATURAL FLOW

DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

ELBOW RIVER AT SARCEE BRIDGE - STATION NO 05BJ010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1979	41 3 AT 12 30 MST ON MAY 27	36 0 ON MAY 27	3 89 ON OCT 9	140 000	1979
1980	69 7 AT 10 30 MST ON JUN 6	52 9 ON JUN 6	5 91 ON AUG 1	193 000	1980
1981	121 AT 14 00 MST ON MAY 26 *	101 ON MAY 26 *	3 16 ON MAY 1 *	310 000	1981
1982	38 2 AT 21 30 MST ON JUN 15	32 3 ON JUN 15	4 30 ON MAY 10	153 000	1982
1983	---	26 1 ON MAY 30	3 78 ON OCT 28	157 000	1983
1984	21 9 AT 13 40 MST ON JUN 8	20 7 ON JUN 8	---	---	1984
1985	71 7 AT 13 00 MST ON SEP 13	63 2 ON SEP 13	3 88 ON AUG 7	158 000	1985
1986	54 1 AT 12 50 MST ON MAY 28	49 7 ON MAY 28	3 85 ON MAY 3	218 000	1986
				191 000	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ELBOW RIVER BELOW GLENMORE DAM - STATION NO. 05BJ001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	---	---	54.2	19.8	9.82	7.95	6.93	---	---	---	1908
1909	---	---	---	---	27.4	35.0	30.3	12.2	7.23	6.95	---	---	---	1909
1910	---	---	---	2.86	6.73	13.2	7.99	8.14	11.9	8.26	5.82	3.37	---	1910
1911	1.76	2.72	3.45	5.67	11.5	25.5	17.8	27.5	19.5	10.4	6.01	2.82	11.5	1911
1912	3.01	3.41	3.86	7.64	13.1	24.9	95.0	19.7	11.4	8.62	6.24	3.33	13.2	1912
1913	2.82	3.96	3.03	11.5	15.2	19.7	13.5	10.8	8.06	7.01	5.52	3.91	9.31	1913
1914	3.35	5.10	3.20	7.21	11.3	19.6	12.8	7.21	8.83	8.52	6.82	3.42	7.61	1914
1915	3.58	2.97	4.46	6.18	36.0	80.7	94.7	29.9	18.5	15.8	8.49	5.26	20.1	1915
1916	3.04	4.58	7.61	12.8	18.6	79.1	30.3	20.4	26.5	14.6	9.95	5.08	21.0	1916
1917	5.03	4.89	6.99	8.47	36.5	84.8	18.6	8.85	7.08	5.97	5.27	3.38	13.8	1917
1918	3.49	3.05	5.76	8.18	10.1	19.5	9.58	8.28	7.15	5.43	4.80	3.85	7.38	1918
1919	3.06	2.85	3.16	6.61	14.0	12.0	8.81	16.1	8.07	4.65	3.84	3.42	8.80	1919
1920	3.35	3.21	3.27	7.72	23.4	22.8	20.8	8.00	4.85	3.97	3.94	3.23	9.76	1920
1921	2.87	2.56	2.92	6.65	19.9	16.7	10.1	7.19	5.93	4.76	3.85	2.33	7.21	1921
1922	2.51	2.22	2.41	6.35	16.4	16.8	9.27	6.77	4.23	3.84	3.12	1.85	6.18	1922
1923	1.72	1.42	2.23	3.56	8.76	91.7	35.1	16.7	8.45	6.10	4.96	3.87	15.4	1923
1924	2.73	3.31	3.39	7.60	14.3	26.8	17.7	29.1	8.28	6.97	4.86	3.60	10.3	1924
1925	3.60	3.22	4.77	10.1	13.4	27.5	11.6	11.1	9.91	12.2	6.81	4.72	10.0	1925
1926	3.85	3.63	3.82	7.71	6.87	22.3	14.6	7.38	27.7	16.4	7.80	5.35	11.6	1926
1927	4.04	3.67	6.19	8.68	17.2	42.5	26.1	20.6	27.7	17.8	8.21	6.14	15.3	1927
1928	5.24	5.01	10.7	8.66	13.4	80.9	35.1	11.0	8.15	6.68	6.63	3.89	12.8	1928
1929	2.13	2.10	3.80	7.24	20.9	95.7	9.98	8.85	5.29	4.92	4.03	2.65	10.4	1929
1930	2.10	2.85	3.40	9.52	13.0	21.4	13.3	6.83	5.88	5.46	4.24	3.84	7.71	1930
1931	3.59	3.01	3.25	6.92	6.15	11.2	6.27	6.33	6.17	3.33	2.10	1.99	6.42	1931
1932	2.21	1.83	2.13	6.13	14.2	86.2	11.6	8.30	9.04	6.04	---	---	---	1932
1933	---	---	---	12.2	21.8	16.1	---	---	---	3.40	3.84	3.06	---	1933
1934	3.15	3.33	3.29	3.96	8.36	12.3	7.16	3.89	3.29	3.28	3.19	3.15	4.81	1934
1935	2.19	2.58	2.84	3.80	9.76	13.7	6.97	7.27	3.46	2.96	2.87	2.96	5.01	1935
1936	3.08	1.80	2.39	3.10	5.36	10.2	3.97	1.85	3.29	2.50	1.89	1.82	3.36	1936
1937	1.72	2.06	2.83	3.84	7.11	19.6	12.7	7.26	6.14	4.22	3.18	3.46	6.77	1937
1938	3.01	3.16	3.20	3.15	21.7	21.6	20.6	7.24	6.42	4.53	3.96	3.06	8.46	1938
1939	2.94	3.10	3.24	3.33	3.93	31.8	8.84	4.94	3.87	5.68	4.23	3.26	6.74	1939
1940	2.95	2.07	3.18	4.07	13.6	8.87	5.85	4.85	12.9	8.43	4.07	3.30	6.43	1940
1941	3.28	2.36	3.46	3.90	3.46	10.1	5.51	2.73	8.29	6.88	3.96	3.30	4.70	1941
1942	2.66	2.01	1.80	3.26	30.7	29.2	28.2	20.0	17.6	11.5	6.96	3.85	13.8	1942
1943	3.30	4.16	3.94	18.2	8.46	16.8	16.0	6.89	3.70	3.61	3.36	3.83	7.85	1943
1944	3.64	1.88	2.33	3.70	3.16	12.0	8.89	6.91	5.32	3.83	3.84	3.60	5.01	1944
1945	1.93	2.16	2.43	3.98	18.7	41.1	20.7	9.92	8.63	9.68	5.09	4.03	10.8	1945
1946	3.55	3.37	3.98	5.46	10.7	22.1	13.3	8.16	16.1	4.92	4.91	3.93	8.21	1946
1947	3.77	3.89	4.76	9.73	27.1	25.8	14.1	10.1	11.2	8.97	6.77	4.83	11.0	1947
1948	3.68	3.76	3.85	12.7	43.6	34.6	17.6	10.7	8.84	6.67	3.96	3.05	12.8	1948
1949	2.26	3.27	2.80	4.33	8.19	9.72	9.46	3.83	3.02	3.70	3.70	3.14	4.22	1949
1950	1.30	2.20	2.08	3.97	9.26	18.1	14.8	8.58	4.77	3.92	2.80	2.66	6.33	1950
1951	2.12	1.10	2.11	4.08	26.5	44.2	40.8	36.1	35.8	17.1	10.8	4.91	17.9	1951
1952	3.76	4.14	4.15	23.8	18.7	31.5	24.8	15.6	10.6	6.90	5.90	3.76	12.8	1952
1953	2.63	3.92	3.95	7.47	24.6	63.5	24.5	9.88	6.17	4.86	3.98	3.80	13.2	1953
1954	3.03	3.71	2.58	3.28	24.7	27.8	18.0	17.7	13.2	11.2	4.84	3.61	11.6	1954
1955	3.60	3.53	3.61	7.58	24.9	33.0	20.7	8.19	3.80	3.87	3.13	3.31	9.13	1955
1956	3.69	3.36	2.76	4.20	12.5	16.3	17.8	7.05	5.86	3.71	3.72	2.21	6.93	1956
1957	1.38	3.50	3.02	3.57	17.2	17.8	8.01	4.38	4.40	4.09	4.51	4.01	6.22	1957
1958	3.97	2.78	3.56	11.5	30.8	21.2	23.4	11.2	8.48	4.90	4.28	3.86	10.1	1958
1959	1.58	2.20	3.09	4.18	9.34	22.8	11.0	9.38	6.03	4.85	4.65	3.95	8.98	1959
1960	1.48	2.38	4.08	6.18	10.9	19.9	9.47	5.70	3.10	2.88	2.66	1.78	5.43	1960
1961	1.88	1.96	2.22	3.04	18.5	16.9	8.08	9.15	6.26	4.92	5.56	3.11	6.78	1961
1962	2.09	3.36	3.50	7.83	9.82	18.1	9.78	5.44	7.49	2.68	1.78	1.04	5.45	1962
1963	0.511	0.859	0.324	1.08	4.46	25.2	24.4	5.65	3.83	3.17	2.82	1.83	5.20	1963
1964	1.94	1.70	1.63	3.38	15.7	32.7	9.72	4.28	2.61	0.02	3.03	1.19	6.89	1964
1965	2.94	1.68	3.28	9.58	9.91	31.5	25.8	15.9	15.8	13.4	6.95	4.71	11.2	1965
1966	2.40	3.06	3.26	4.57	14.2	18.7	10.8	5.80	4.82	2.81	2.91	2.87	5.36	1966
1967	0.659	1.51	1.07	5.35	21.2	45.3	10.2	3.98	1.27	1.66	2.78	1.04	8.00	1967
1968	1.40	1.39	2.34	1.06	7.26	30.4	9.68	8.43	6.46	8.46	3.02	1.89	5.98	1968
1969	1.46	1.72	0.717	11.6	21.4	32.7	29.9	4.60	1.93	2.36	2.33	2.29	9.42	1969
1970	0.960	1.41	0.882	2.59	13.7	26.1	8.12	1.57	0.699	2.19	1.49	0.884	4.95	1970
1971	1.11	0.639	0.463	7.88	13.2	25.3	3.80	1.21	0.772	1.03	2.62	1.10	4.80	1971
1972	0.595	0.595	3.80	2.38	13.1	24.4	11.9	6.12	4.42	3.95	2.08	0.744	6.02	1972
1973	1.01	0.850	1.11	8.25	13.7	20.7	6.91	1.88	4.15	2.30	0.935	0.891	4.98	1973
1974	0.841	0.788	0.733	2.08	22.8	30.6	7.10	5.13	4.98	2.85	1.38	0.905	6.78	1974
1975	0.595	0.425	0.425	0.882	5.99	17.3	7.51	2.77	0.870	1.05	1.41	0.705	3.34	1975
1976	0.834	0.568	0.510	0.510	5.67	8.83	4.78	13.2	5.67	2.19	1.31	0.868	3.78	1976
1977	0.425	0.425	0.482	0.947	3.82	4.36	2.30	2.65	4.17	2.74	1.37	1.13	1.99	1977
1978	0.907	0.907	0.793	2.35	12.8	21.0	10.3	8.64	4.82	3.34	1.86	1.85	5.88	1978
1979	1.11	1.15	1.31	2.36	13.6	8.27	3.76	1.67	1.56	2.13	1.53	1.09	3.39	1979
1980	0.943	0.932	1.03	1.66	10.1	24.0	4.13	4.52	4.85	3.46	2.18	1.12	4.46	1980
1981	1.20	1.13	1.11	1.10	28.5	30.1	18.7	9.76	3.81	2.68	1.78	2.58	8.54	1981
1982	---	---	---	---	2.89	21.9	7.15	1.36	1.42	1.87	1.32	1.91	---	1982
1983	1.26	1.13	1.11	1.23	11.0	10.2	8.57	1.80	1.47	1.27	1.27	1.14	3.54	1983
1984	1.18	0.776	1.19	1.33	1.39	9.02	3.61	1.37	1.49	1.88	1.69	1.56	2.17	1984
1985	1.28	1.40	1.32	1.26	2.18	7.43	1.32	3.76	13.0	5.61	3.03	1.33	3.54	1985
1986	1.23	1.22	1.22	2.47	14.5	15.7	7.80	3.78	5.76	3.30	4.68	1.87	5.80	1986
MEAN	2.34	2.45	2.81	5.71	14.5	28.0	14.8	9.01	7.76	5.80	3.94	2.80	8.17	MEAN

LOCATION - LAT. 51 00 55 N DRAINAGE AREA 1 230 km²
LONG 114 05 33 W REGULATED SINCE 1932

ELBOW RIVER BELOW GLENMORE DAM - STATION NO 05BJ001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1908	---	189 ON JUN 2	---	---	1908
1909	---	84.0 ON JUN 3	---	---	1909
1910	---	18.6 ON SEP 19	---	---	1910
1911	---	89.5 ON AUG 8	0.8788 ON DEC 26	382 000	1911
1912	---	122 ON JUN 16	0.983 ON JAN 4	387 000	1912
1913	---	38.8 ON AUG 10	1.76 ON MAR 23	294 000	1913
1914	---	28.9 ON JUN 18	2.12 B ON JAN 24	240 000	1914
1915	---	239 A ON JUN 25	1.84 B ON DEC 31	834 000	1915
1916	---	146 ON JUN 29	1.87 B ON JAN 1	884 000	1916
1917	---	147 ON JUN 3	2.32 B ON DEC 12	434 000	1917
1918	---	35.4 ON JUN 10	2.24 B ON MAR 6	233 000	1918
1919	---	72.5 ON AUG 6	2.10 B ON MAR 1	218 000	1919
1920	---	87.7 ON JUL 13	1.27 B ON DEC 23	309 000	1920
1921	---	37.4 ON MAY 25	0.7938 ON DEC 28	227 000	1921
1922	---	26.5 ON MAY 17	0.5108 ON DEC 15	195 000	1922
1923	---	331 ON JUN 1	1.08 B ON JAN 18	486 000	1923
1924	---	59.5 ON AUG 4	1.19 B ON DEC 16	326 000	1924
1925	---	86.5 ON JUN 12	2.46 B ON JAN 2	316 000	1925
1926	---	88.1 ON SEP 11	3.09 B ON DEC 16	389 000	1926
1927	---	83.3 ON JUN 10	2.85 B ON DEC 31	482 000	1927
1928	---	100 ON JUN 19	1.98 B ON DEC 4	406 000	1928
1929	---	382 ON JUN 3 *	1.00 B ON FEB 2	326 000	1929
1930	---	30.6 ON MAY 31	1.78 B ON JAN 17	243 000	1930
1931	---	22.8 ON APR 8	1.33 B ON DEC 19	139 000	1931
1932	---	311 ON JUN 3	1.09 B ON FEB 23	---	1932
1933	---	---	---	---	1933
1934	---	32.0 ON JUN 5	2.80 ON JUL 24	182 000	1934
1935	---	32.8 ON JUN 18	1.56 ON JAN 6	158 000	1935
1936	---	35.7 ON JUN 8	0.491 ON JUL 27	107 000	1936
1937	---	54.9 ON JUN 14	0.595 ON MAY 19	182 000	1937
1938	---	59.5 ON MAY 24	2.21 ON APR 21	267 000	1938
1939	---	104 ON JUN 17	1.76 ON SEP 8	213 000	1939
1940	---	40.5 ON APR 30	2.81 ON JAN 8	203 000	1940
1941	---	27.0 ON JUN 4	0.386 ON MAY 25	148 000	1941
1942	---	128 ON MAY 12	1.84 ON JAN 15	433 000	1942
1943	---	34.8 ON APR 25	2.92 ON NOV 22	248 000	1943
1944	---	28.5 ON JUN 14	1.73 ON FEB 6	158 000	1944
1945	---	87.7 ON MAY 28	1.81 ON MAR 16	333 000	1945
1946	---	54.1 ON SEP 29	1.87 ON FEB 14	259 000	1946
1947	---	78.3 ON MAY 11	3.48 ON JAN 26	347 000	1947
1948	---	154 ON MAY 24	1.93 ON DEC 24	404 000	1948
1949	---	22.6 ON MAY 22	0.538 ON AUG 21	135 000	1949
1950	---	33.1 ON JUN 15	0.880 ON NOV 22	200 000	1950
1951	---	152 ON AUG 31	0.785 ON JAN 27	584 000	1951
1952	---	80.4 ON APR 7	2.38 ON APR 2	404 000	1952
1953	---	124 ON JUN 4	1.80 ON JAN 19	418 000	1953
1954	---	59.7 ON MAY 22	0.876 ON OCT 5	380 000	1954
1955	---	46.7 ON MAY 20	1.64 ON SEP 5	288 000	1955
1956	---	37.1 ON JUL 5	0.708 ON OCT 21	219 000	1956
1957	---	38.5 ON JUN 10	0.340 ON APR 11	200 000	1957
1958	---	55.2 ON JUL 14	1.80 ON JAN 19	319 000	1958
1959	---	56.1 ON JUN 27	0.880 ON JAN 6	208 000	1959
1960	---	30.3 ON MAY 18	0.425 ON JAN 19	172 000	1960
1961	---	53.2 ON MAY 29	0.425 ON DEC 21	214 000	1961
1962	---	30.8 ON JUN 18	0.388 ON DEC 31	172 000	1962
1963	---	99.1 ON JUN 30	0.283 ON FEB 28 *	185 000	1963
1964	---	70.2 ON JUN 9	0.538 ON JAN 14	218 000	1964
1965	---	99.7 ON JUN 19	0.823 ON JAN 16	353 000	1965
1966	---	37.9 ON JUL 3	0.425 ON FEB 26	201 000	1966
1967	---	146 ON JUN 1	0.823 ON JAN 1	252 000	1967
1968	---	44.2 ON JUN 11	0.311 ON FEB 23	189 000	1968
1969	---	133 ON JUN 29	0.851 ON FEB 20	287 000	1969
1970	---	105 ON JUN 14	0.510 ON MAR 13	156 000	1970
1971	---	77.9 ON JUN 7	0.425 ON MAR 8	151 000	1971
1972	---	41.1 ON JUN 11	0.566 ON NOV 25	190 000	1972
1973	---	36.2 ON MAY 28	0.708 ON OCT 24	157 000	1973
1974	---	81.7 ON JUN 17	0.851 ON JAN 19	214 000	1974
1975	80.9 AT 14 30 MST ON JUN 20	43.3 ON JUN 20	0.425 ON JAN 14	105 000	1975
1976	42.5 AT 07 30 MST ON AUG 8	37.7 ON AUG 8	0.425 ON DEC 13	120 000	1976
1977	13.7 AT 07 00 MST ON MAY 28	13.8E ON AUG 23	0.348 ON AUG 11	62 700	1977
1978	47.0 AT 08 00 MST ON JUN 6	41.9 ON JUN 6	0.8558 ON MAR 6	185 000	1978
1979	31.9 AT 23 00 MST ON MAY 25	30.8 ON MAY 27	0.9828 ON DEC 20	107 000	1979
1980	101 AT 21 30 MST ON MAY 26 *	65.3 ON JUN 3	0.7588 ON DEC 14	154 000	1980
1981	95.8 AT 20 00 MST ON MAY 26	93.0 ON MAY 27	0.569 ON MAY 9	289 000	1981
1982	41.9 AT 13 37 MST ON JUN 16	37.1 ON JUN 16	---	---	1982
1983	23.4 AT 10 53 MST ON MAY 27	22.8 ON MAY 28	1.04 ON FEB 18	112 000	1983
1984	20.1 AT 17 51 MST ON JUN 9	18.7 ON JUN 10	0.516 ON FEB 23	68 800	1984
1985	97.5 AT 23 36 MST ON SEP 12	72.8 ON SEP 13	0.7928 ON NOV 28	112 000	1985
1986	82.7 AT 17 16 MST ON MAY 28	50.2 ON MAY 29	0.8988 ON NOV 30	183 000	1986
				259 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ELDER CREEK AT HIGHWAY NO 886 - STATION NO 07HB002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1985	---	---	0.004	0.897	0.284	0.023	0.004	0.001	0.011	0.081	---	---	0.134	1985
1986	---	---	0.029	0.187	0.116	0.150	0.204	0.030	0.003	0.005	---	---	0.090	1986
MEAN	---	---	0.017	0.442	0.190	0.087	0.104	0.016	0.007	0.043	---	---	0.112	MEAN

LOCATION - LAT 56 27 50 N LONG 116 49 49 W
DRAINAGE AREA, 83.7 km²
NATURAL FLOW

ELDER CREEK AT HIGHWAY NO 886 - STATION NO 07HB002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1985	2.21 AT 17:00 MST ON APR 14 *	1.74 B ON APR 14 *	0 B ON MAR 1 *	2 840	1985
1986	1.34 AT 05:00 MST ON JUL 13	0.906 ON JUN 22	0.002 ON SEP 17	1 910	1986
				2 380	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ELLS RIVER BELOW GARDINER LAKES - STATION NO 07DA010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	25.5	12.9	17.3	9.21	5.19	4.05	---	1975
1976	2.47	1.68	1.39	8.98	8.11	3.32	3.31	3.79	2.80	2.80	1.87	1.45	3.46	1976
1977	0.855	0.457	0.212	1.41	4.80	4.77	7.82	7.13	4.07	4.10	3.31	2.01	3.44	1977
1978	1.38	0.913	0.898	2.43	16.2	11.6	7.31	3.37	9.41	13.1	6.50	3.84	6.46	1978
1979	1.63	0.884	1.03	---	---	---	---	---	---	---	---	---	---	1979
MEAN	1.58	0.984	0.907	4.27	9.70	5.56	11.0	6.80	8.35	7.23	4.22	2.84	4.45	MEAN

LOCATION - LAT 57 22 30 N LONG 112 33 40 W
DRAINAGE AREA, 1 380 km²
NATURAL FLOW

ELLS RIVER BELOW GARDINER LAKES - STATION NO 07DA010

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1975	---	---	---	---	1975
1976	---	16.1 B ON APR 17	1.10 B ON DEC 31	105 000	1976
1977	8.32 AT 04:57 MST ON JUL 6	8.23 ON JUL 6	0.1988 ON MAR 15 *	108 000	1977
1978	21.6 AT 22:50 MST ON MAY 15 *	21.0 ON MAY 17 *	0.9088 ON FEB 5	203 000	1978
1979	---	2.558 ON JAN 1	0.8508 ON FEB 10	---	1979
				140 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ELLS RIVER NEAR THE MOUTH - STATION NO 07DA017

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	---	17.9	26.9	13.3	5.46	3.53	---	1975
1976	2.25	1.43	1.51	21.5	11.2	6.10	4.38	4.99	4.10	3.80	1.95	1.37	5.29	1976
1977	0.653	0.884	0.644	4.19	5.83	5.90	10.6	8.23	5.06	4.72	2.99	2.16	4.31	1977
1978	1.44	1.12	0.875	7.84	27.6	14.9	8.43	4.31	24.4	20.7	8.81	4.51	10.3	1978
1979	2.22	1.70	1.63	4.70	41.3	24.8	6.17	3.34	5.03	6.18	3.26	2.05	8.48	1979
1980	1.35	0.985	0.984	4.95	3.14	2.28	1.71	8.36	7.75	6.55	3.05	1.34	3.54	1980
1981	1.16	0.917	1.22	3.15	17.2	7.35	5.47	2.89	0.623	0.570	0.500	0.438	3.48	1981
1982	0.261	0.084	0.035	6.69	30.3	12.3	3.42	2.89	1.73	1.35	1.15	0.880	5.09	1982
1983	0.715	0.579	0.593	10.1	15.0	6.95	5.02	3.93	5.01	3.92	3.00	1.35	5.30	1983
1984	1.20	1.28	1.44	6.68	7.98	47.0 R	21.4	10.7	10.4	8.96	6.25	3.73	10.5 R	1984
1985	1.15	0.744	0.653	10.0	75.7	13.1	3.73	1.79	1.38	1.78	1.32	1.08	9.85	1985
1986	0.867	0.447	0.413	5.41	42.2	24.5	15.2	14.7	6.07	4.39	1.80	2.17	9.84	1986
MEAN	1.22	0.916	0.918	7.75	25.3	14.9 R	7.85	7.40	8.20	6.27	3.13	2.07	6.89	MEAN

LOCATION - LAT 57 16 04 N LONG 111 42 51 W
DRAINAGE AREA, 2 450 km²
NATURAL FLOW

R - REVISED SINCE JAN 1986

ELLS RIVER NEAR THE MOUTH - STATION NO 07DA017

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	---	---	1975
1976	---	49.80 ON APR 14	0.9088 ON DEC 31	167 000	1976
1977	14.8 AT 07 16 MST ON JUL 7	14.5 ON JUL 7	0.3988 ON MAR 26	136 000	1977
1978	52.78 AT 07 48 MST ON APR 29	45.6 ON SEP 25	0.6508 ON MAR 15	325 000	1978
1979	61.1 AT 05 45 MST ON MAY 11	56.8 ON MAY 13	1.80 B ON FEB 21	287 000	1979
1980	11.2 AT 00 15 MST ON AUG 18	11.08 ON APR 19	0.9808 ON FEB 16	112 000	1980
1981	---	21.5E ON MAY 4	0.3808 ON DEC 31	110 000	1981
1982	54.08 AT 05 38 MST ON APR 30	45.08 ON APR 29	0.0388 ON MAR 10 *	181 000	1982
1983	---	41.6 ON APR 24	0.8528 ON JAN 1	187 000	1983
1984	116 AT 19 39 MST ON JUN 3	102 R ON JUN 3	1.20 B ON JAN 1	333 000R	1984
1985	267 AT 18 15 MST ON MAY 6 *	237 ON MAY 6 *	0.6308 ON MAR 16	301 000	1985
1986	77.2 AT 21 26 MST ON MAY 24	73.9 ON MAY 25	0.3008 ON FEB 20	314 000	1986
				218 000R	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1 1986

ELTON DITCH FROM TODD CREEK - STATION NO 05AA014

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	---	0.026	---	---	---	---	---	---	---	1914
1915	---	---	---	---	---	0.016	---	---	---	---	---	---	---	1915
1916	---	---	---	---	---	0.035	---	---	---	---	---	---	---	1916
MEAN	---	---	---	---	---	0.026	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 40 00 N
LONG 114 08 00 W
REGULATED

ELTON DITCH FROM TODD CREEK - STATION NO 05AA014

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	---	---	---	1914
1915	---	---	0 ON JUN 1 *	---	1915
1916	---	---	---	---	1916
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

EMBARRAS RIVER AT ROBB - STATION NO 07AF005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	---	---	1.27	1.53	0.481	0.313	1.15	1.15	---	---	0.975	1984
1985	---	---	---	---	0.802	1.14	0.722	1.95	2.82	1.08	---	---	1.38	1985
1986	---	---	---	---	2.13	1.32	5.78	1.30	1.46	1.88	---	---	2.32	1986
MEAN	---	---	---	---	1.40	1.33	2.33	1.19	1.74	1.37	---	---	1.56	MEAN

LOCATION - LAT 53 13 19 N
LONG 116 58 04 W
DRAINAGE AREA 124 km^2
NATURAL FLOW
DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

EMBARRAS RIVER AT ROBB - STATION NO 07AF 05

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	5.86 AT 21 49 MST ON MAY 16	3.98 ON MAY 17	0.238 ON AUG 21 *	15 500	1984
1985	12.7 AT 09 41 MST ON SEP 13	11.4 ON SEP 13	---	22 000	1985
1986	46.4 AT 23 35 MST ON JUL 17 *	30.9 ON JUL 18 *	0.589 ON AUG 31	36 900	1986
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		24 800	MEAN

EMBARRAS RIVER NEAR WEALD - STATION NO 07AF014

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	---	---	---	---	---	0.982	6.89	4.80	---	---	---	1984
1985	---	---	0.826	2.83	2.56	4.04	2.19	5.15	8.24	4.16	---	---	3.73	1985
1986	---	---	1.40	3.51	7.41	3.93	19.3	4.73	6.12	7.80	---	---	6.78	1986
MEAN	---	---	1.11	3.17	4.99	3.99	10.7	3.62	7.12	5.52	---	---	5.26	MEAN

LOCATION - LAT 53 22 31 N
LONG 116 48 20 W
DRAINAGE AREA 847 km^2
NATURAL FLOW

EMBARRAS RIVER NEAR WEALD - STATION NO. 07AF014

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	20.1 AT 08:50 MST ON SEP 22	19.5 ON SEP 22	---	---	1984
1985	35.4 AT 19:15 MST ON SEP 13	28.0 ON SEP 14	0.5008 ON MAR 2 *	79 100	1985
1986	118 AT 10:30 MST ON JUL 18 *	106 ON JUL 18 *	0.7748 ON MAR 5	144 000	1986
				112 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ENGLISH DITCH NEAR THELMA - STATION NO. 11AB021

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	0.048	0.052	---	---	---	---	---	---	---	1915
MEAN	---	---	---	---	0.048	0.052	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 32 30 N, LONG 110 17 30 W REGULATED

ERICKSON COULEE AT E.C. BENNETT'S FARM - STATION NO. 05AF011

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1920	---	---	0.060	0.118	0.108	0	0	0	0	0	---	---	---	1920
MEAN	---	---	0.060	0.118	0.108	0	0	0	0	0	---	---	---	MEAN

LOCATION - LAT 49 21 42 N, LONG 110 52 10 W DRAINAGE AREA, 362 km^2, REGULATED

ERICKSON COULEE AT E.C. BENNETT'S FARM - STATION NO. 05AF011

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1920	---	1.02 ON MAY 2 *	08 ON MAR 1 *	---	1920
				---	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ERITH RIVER BELOW HANLAN CREEK - STATION NO. 07AF907

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	---	---	5.74	4.35	0.982	0.713	5.82	3.78	---	---	3.51	1984
1985	---	---	---	---	4.26	4.54	1.98	5.98	8.45	3.56	---	---	4.77	1985
1986	---	---	---	---	11.8	4.53	39.3	4.18	6.53	7.88	---	---	12.6	1986
MEAN	---	---	---	---	7.30	4.47	14.1	3.62	6.87	5.07	---	---	6.93	MEAN

LOCATION - LAT 53 14 08 N, LONG 118 33 55 W DRAINAGE AREA, 590 km^2, NATURAL FLOW

DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

ERITH RIVER BELOW HANLAN CREEK - STATION NO. 07AF907

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	35.5E AT 03:30 MST ON MAY 17	30.0A ON MAY 17	0.625A ON AUG 10 *	55 900	1984
1985	35.9 AT 10:55 MST ON SEP 13	32.7 ON SEP 13	---	75 900	1985
1986	337 E AT 07:00 MST ON JUL 18 *	313 E ON JUL 18 *	1.97 ON SEP 1	198 000	1986
				110 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ETZIKOM COULEE NEAR GODDARD - STATION NO 05AF006

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	0.147	0.001	0.015	0.090	0.128	0.108	0.155	---	---	0.092	1915
1916	---	---	---	0.557	0.101	0.451	0.404	0.313	1.31	0.866	---	---	0.589	1916
MEAN	---	---	---	0.352	0.051	0.233	0.247	0.221	0.709	0.511	---	---	0.331	MEAN

LOCATION - LAT 49 21 42 N DRAINAGE AREA, 2 580 km²
LONG 111 52 10 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1916

ETZIKOM COULEE NEAR GODDARD - STATION NO. 05AF006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1915	---				
1916	---	1.19 ON APR 4	0 ON APR 1 *	1 710	1915
		2.07 ON SEP 18 *	0.037 ON MAY 24	10 500	1916
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		6 110	MEAN

ETZIKOM COULEE NEAR NEMISCAM - STATION NO 05AF027

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1936	---	---	0.838	0.348	0.023	0.005	---	---	---	---	---	---	---	1936
MEAN	---	---	0.838	0.348	0.023	0.005	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 26 30 N DRAINAGE AREA, 3 040 km²
LONG 111 15 37 W REGULATED

ETZIKOM COULEE NEAR NEMISCAM - STATION NO 05AF027

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1936	---	1.708 ON MAR 8 *	0 ON MAY 14 *	---	1936
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

ETZIKOM COULEE NEAR NEMISKAM - STATION NO 05AF905

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	---	---	---	0.050	0.001	0.185	0.545	---	---	---	1982
1983	---	---	---	0.211	0.089	0.008	0.003	0	0	0.036	---	---	0.048	1983
1984	---	---	---	0.098	0.027	0	0	0	0	0	---	---	0.018	1984
1985	---	---	---	0.108	0.005	0.052	0	0	0	0.181	---	---	0.047	1985
1986	---	---	---	0.295	0.234	0.094	0	0.213	0.515	0.983	---	---	0.334	1986
MEAN	---	---	---	0.178	0.089	0.039	0.011	0.043	0.142	0.345	---	---	0.112	MEAN

LOCATION - LAT 49 28 40 N DRAINAGE AREA, 3 040 km²
LONG 111 16 00 W REGULATED

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

ETZIKOM COULEE NEAR NEMISKAM - STATION NO 05AF905

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1982	---	---			
1983	---	---	0 ON AUG 12 *	---	1982
1984	---	0.386 ON APR 25	OR ON JUL 23		
		0.207 ON APR 7	0 ON JUN 1	908	1983
1985	---			326	1984
1986	---	0.485 ON JUN 8	0 ON MAY 9	882	1985
		1.85 ON SEP 28 *	0 ON JUN 25	6 170	1986
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 070	MEAN
		R - REVISED SINCE JAN 1 1986			

ETZIKOM COULEE NEAR STIRLING - STATION NO. 05AF004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	0.016	0.006	0.008	0.087	0.092	0.010	---	---	---	1914
1915	---	---	---	0.489	0.245	0.708	0.744	0.424	---	---	---	---	---	1915
1916	---	---	---	0.152	0.385	0.763	0.785	0.498	1.48	0.472	---	---	0.646	1916
1917	---	---	---	3.36	0.949	0.686	0.080	0.155	0.129	0.001	---	---	0.752	1917
MEAN	---	---	---	1.33	0.399	0.536	0.400	0.291	0.567	0.161	---	---	0.699	MEAN

LOCATION - LAT 49 32 00 N
LONG 112 30 00 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1915

ETZIKOM COULEE NEAR STIRLING - STATION NO. 05AF004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	---	0 ON MAY 1 *	---	1914
1915	---	1.89 ON JUN 27	---	---	1915
1916	---	5.92 ON SEP 6	0.040 ON APR 19	11 800	1916
1917	---	7.788 ON APR 7 *	0 ON JUL 24	13 900	1917
		B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD		12 900	MEAN

EUNICE CREEK NEAR HINTON - STATION NO. 07AF005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	---	---	0.049	0.045	0.033	---	---	1967
1968	---	---	---	---	---	0.171	0.254	0.209	0.113	0.081	0.055	---	---	1968
1969	---	---	---	---	0.187	0.174	0.445	0.448	0.120	0.088	---	---	---	1969
1970	---	---	---	---	0.249	0.311	0.110	0.081	0.041	0.038	---	---	---	1970
1971	---	---	---	0.042	0.292	0.637	0.345	0.104	0.096	0.118	---	---	0.233	1971
1972	---	---	---	---	0.449	0.537	0.224	0.087	0.103	0.171	---	---	---	1972
1973	---	---	---	0.027	0.732	0.308	0.162	0.095	0.075	0.082	---	---	0.212	1973
1974	---	---	---	0.118	0.528	0.247	0.144	0.080	0.068	0.082	---	---	0.179	1974
1975	---	---	---	0.011	0.193	0.162	0.115	0.062	0.048	0.036	---	---	0.089	1975
1976	---	---	---	0.048	0.223	0.212	0.105	0.135	0.073	0.052	---	---	0.123	1976
1977	---	---	---	0.046	0.685	0.470	0.372	0.233	0.294	0.155	---	---	0.320	1977
1978	---	---	---	0.112	0.423	0.385	0.336	0.163	0.255	0.107	---	---	0.255	1978
1979	---	---	---	0.025	0.244	0.203	0.123	0.075	0.053	0.045	---	---	0.110	1979
1980	---	---	---	0.131	0.261	1.32	0.490	0.199	0.259	0.151	---	---	0.398	1980
1981	---	---	---	0.043	0.198	0.237	0.264	0.194	0.091	0.072	---	---	0.157	1981
1982	---	---	---	0.042	0.225	0.236	0.705	0.298	0.188	0.251	---	---	0.280	1982
1983	---	---	---	0.090	0.240	0.228	0.174	0.085	0.053	0.053	---	---	0.128	1983
1984	---	---	---	0.076	0.144	0.239	0.075	0.050	0.089	0.153	---	---	0.115	1984
1985	---	---	---	0.090	0.095	0.163	0.098	0.249	0.283	0.153	---	---	0.183	1985
1986	---	---	---	0.064	0.239	0.185	0.841	0.248	0.205	0.385	---	---	0.305	1986
MEAN	---	---	---	0.064	0.310	0.337	0.283	0.161	0.127	0.114	0.044	---	0.205	MEAN

LOCATION - LAT 53 09 10 N DRAINAGE AREA, 17.1 km^2
LONG 117 13 55 W NATURAL FLOW

EUNICE CREEK NEAR HINTON - STATION NO. 07AF005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	---	---	1967
1968	1.04 AT 15 30 MST ON JUL 20	0.773 ON JUL 22	---	---	1968
1969	8.21 AT 17 47 MST ON AUG 5	2.86 ON AUG 5	---	---	1969
1970	2.59 AT 06 00 MST ON JUN 15	1.66 ON JUN 15	---	---	1970
1971	2.76 AT 23 30 MST ON JUN 8	2.26 ON JUN 9	0.0038 ON APR 11	4 310	1971
1972	2.83 AT 14 30 MST ON JUN 25	2.17 ON JUN 25	---	---	1972
1973	2.70 AT 19 30 MST ON MAY 15	2.05 ON MAY 15	0.0148 ON APR 1	3 930	1973
1974	1.06 AT 20 30 MST ON MAY 5	0.835 ON MAY 7	0.0248 ON APR 1	3 300	1974
1975	1.03 AT 19 20 MST ON MAY 3	0.490 ON MAY 5	0.0068 ON APR 1	1 880	1975
1976	0.623 AT 18 20 MST ON JUN 15	0.541 ON JUN 16	0.0088 ON APR 1	2 270	1976
1977	2.52 AT 17 30 MST ON MAY 28	1.94 ON MAY 28	0.0318 ON APR 1	5 920	1977
1978	2.75 AT 06 20 MST ON MAY 16	2.03 ON MAY 16	0.0108 ON APR 1	4 710	1978
1979	1.34 AT 09 10 MST ON JUN 20	0.760 ON JUN 20	0.0048 ON APR 1	2 060	1979
1980	9.04 AT 16 10 MST ON JUN 4 *	7.00 ON JUN 4 *	0.0158 ON APR 1	7 370	1980
1981	0.868 AT 07 10 MST ON JUL 30	0.755 ON JUL 30	0.0108 ON APR 1	2 910	1981
1982	3.99 AT 21 45 MST ON JUL 4	3.03 ON JUL 5	0.0028 ON APR 1 *	5 180	1982
1983	0.890 AT 09 30 MST ON JUN 24	0.706 ON JUN 24	0.030 ON APR 8	2 390	1983
1984	0.891 AT 20 10 MST ON JUN 8	0.738 ON JUN 8	0.0268 ON APR 14	2 130	1984
1985	1.09 AT 12 50 MST ON AUG 15	0.886 ON SEP 13	0.0158 ON APR 20	3 010	1985
1986	8.34 AT 19 51 MST ON JUL 17	4.01 ON JUL 18	0.0308 ON APR 4	5 680	1986
		B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD		3 790	MEAN

EUREKA RIVER NEAR WORSLEY - STATION NO 07FD013

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	---	---	0	0	---	---	---	1975
1976	---	---	0	4.12	0.730	0.986	1.50	3.14	0.822	0.355	---	---	1.42	1976
1977	---	---	0.001	9.74	5.54	5.32	0.148	0.022	0.010	0.075	---	---	2.58	1977
1978	---	---	0.002	1.57	3.37	0.319	0.004	0	0.487	0.111	---	---	0.730	1978
1979	---	---	0	2.45	5.14	1.77	1.43	0.298	0.030	0.055	---	---	1.40	1979
1980	---	---	0.001	0.369	0.086	0.074	0.012	0.001	0	0.057	---	---	0.074	1980
1981	---	---	0.005	9.87	4.92	1.08	0.132	0	0	0.001	---	---	1.99	1981
1982	---	---	0	2.75	2.42	0.016	0	0.008	0	0	---	---	0.847	1982
1983	---	---	0	2.58	0.249	0.735	1.99	1.49	0.002	0.001	---	---	0.878	1983
1984	---	---	0.198	1.88	7.77	1.34	1.22	0	0.002	0.327	---	---	1.80	1984
1985	---	---	0	4.38	1.48	0.581	0.133	0	0	0.426	---	---	0.806	1985
1986	---	---	0.107	4.11	2.36	0.068	0.075	0.006	0	0	---	---	0.832	1986
MEAN	---	---	0.029	3.99	3.10	1.09	0.806	0.451	0.094	0.102	---	---	1.18	MEAN

LOCATION - LAT 56 27 00 N LONG 119 07 10 W DRAINAGE AREA, 754 km² NATURAL FLOW

EUREKA RIVER NEAR WORSLEY - STATION NO 07FD013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	---	---	1975
1976	18.2 AT 13:30 MST ON APR 12	15.5 ON APR 12	0 ON AUG 18 *	---	1976
1977	51.3A AT 23:50 MST ON APR 11	40.8 A ON APR 11	0.8 ON MAR 1	30 200	1977
1978	10.1 AT 23:30 MST ON MAY 23	9.57 ON MAY 24	0 ON JUL 22	15 500	1978
1979	24.3A AT 15:00 MST ON APR 28	22.4 A ON APR 28	0.8 ON MAR 1	29 800	1979
1980	---	0.8008 ON APR 5	0.8 ON MAR 1	1 570	1980
1981	54.3 AT 23:30 MST ON APR 25 *	49.6 A ON APR 25 *	0.8 ON MAR 1	42 200	1981
1982	15.7 AT 00:00 MST ON APR 24	12.7 ON APR 25	0.8 ON MAR 1	13 700	1982
1983	14.0 AT 15:00 MST ON APR 18	12.0 ON APR 18	0.8 ON MAR 1	18 500	1983
1984	43.7 AT 09:00 MST ON MAY 24	41.2 A ON MAY 24	0.8 ON MAR 1	33 800	1984
1985	20.3B AT 22:00 MST ON APR 14	15.9 B ON APR 14	0.8 ON MAR 1	17 100	1985
1986	13.9 AT 19:30 MST ON APR 9	12.1 ON APR 9	0.8 ON MAR 1	17 600	1986
				24 900	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

EXPANSE COULEE NEAR THE MOUTH - STATION NO 05AG003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1957	---	---	---	---	0.274	0.580	0.568	0.500	0.932	0.880	0.353	0.247	0.621	1957
1958	0.103	0.081	0.210	0.444	0.106	0.725	0.797	0.475	0.445	0.483	0.083	0.061	0.501	1958
1959	0.016	0.013	0.327	0.306	0.215	0.553	0.947	0.623	0.201	0.283	0.242	0.255	0.488	1959
1960	0.115	0.038	0.511	0.334	0.217	0.687	1.25	0.700	0.505	0.681	0.296	0.223	0.687	1960
1961	0.120	0.102	0.138	0.089	0.480	1.12	1.44	0.919	0.792	0.735	0.274	0.075	0.915	1961
1962	0.057	0.102	0.254	0.320	0.266	1.40	1.31	0.880	0.772	0.533	0.171	0.068	0.857	1962
1963	0.052	0.034	0.118	0.082	0.515	1.10	0.551	0.842	0.769	0.708	0.156	0.022	0.745	1963
1964	0.047	0.038	0.047	0.374	0.357	0.909	1.13	1.10	0.719	0.425	0.170	0.258	0.773	1964
1965	0.170	0.231	0.137	0.728	0.239	0.654	0.501	1.06	0.839	0.735	0.378	0.348	0.670	1965
1966	0.070	0.001	0.636	0.308	0.172	0.849	1.28	1.16	0.773	0.706	0.226	0.185	0.823	1966
1967	0.109	0.258	0.977	0.578	1.01	0.243	0.919	1.03	0.816	0.817	0.132	0.041	0.806	1967
1968	0.011	0.019	0.196	0.184	0.276	0.850	1.38	1.36	0.928	0.591	0.388	0.218	0.897	1968
1969	0.042	0.001	2.54	0.593	0.283	1.20	1.06	1.07	1.01	1.03	---	---	0.939	1969
1970	---	---	0.163	0.285	0.472	1.31	1.33	1.37	1.14	0.889	---	---	1.05	1970
1971	---	---	---	---	0.300	0.942	1.75	1.49	1.13	0.597	---	---	1.04	1971
1972	---	---	---	---	0.272	1.04	1.48	1.35	0.943	0.485	---	---	0.925	1972
1973	---	---	---	---	0.360	1.60	1.75	1.91	1.08	0.851	---	---	1.23	1973
1974	---	---	---	---	0.283	1.24	2.24	1.78	0.850	0.647	---	---	1.17	1974
1975	---	---	---	---	0.566	0.501	1.44	1.75	1.05	0.578	---	---	0.984	1975
1976	---	---	---	---	0.523	1.78	2.35	1.89	1.32	1.04	---	---	1.48	1976
1977	---	---	---	---	0.862	---	---	2.18	1.60	0.814	---	---	---	1977
1978	---	---	---	---	0.189	0.343	1.96	1.79	0.902	0.884	---	---	1.02	1978
1979	---	---	---	---	0.120	1.31	2.05	1.56	1.06	0.873	---	---	1.16	1979
1980	---	---	---	---	1.16	1.19	1.96	1.94	1.13	0.518	---	---	1.32	1980
1981	---	---	---	---	0.528	1.38	1.71	1.91	1.65	0.924	---	---	1.35	1981
1982	---	---	---	---	0.415	1.31	1.86	1.83	1.18	0.780	---	---	1.23	1982
1983	---	---	---	---	0.276	1.93	2.43	2.07	1.68	1.02	---	---	1.60	1983
1984	---	---	---	---	0.587	1.81	1.67	1.90	0.670	0.247	---	---	1.15	1984
1985	---	---	---	---	0.335	1.60	1.77	1.96	1.01	0.552	---	---	1.20	1985
1986	---	---	---	---	0.542	1.73	1.95	1.88	1.62	0.999	---	---	1.45	1986
MEAN	0.078	0.075	0.489	0.353	0.410	1.10	1.48	1.41	0.984	0.690	0.239	0.165	1.00	MEAN

LOCATION - LAT 49 59 18 N LONG 112 05 00 W DRAINAGE AREA, 1 920 km² REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1958, 1960 AND 1969

EXPANSE COULEE NEAR THE MOUTH - STATION NO. 05AG002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1957	...	2.89 ON OCT 24 *	0.011 ON AUG 21	9 870	1957
1958	...	1.23 ON JUL 16	0.054 ON MAY 11	7 860	1958
1959	...	1.59 ON JUN 28	0.045 ON SEP 11	7 750	1959
1960	...	2.24 ON JUL 21	0.133 ON MAY 23	10 900	1960
1961	...	1.93 ON JUL 29	0.031 ON MAY 2	14 500	1961
1962	...	2.04 ON JUN 14	0.054 ON MAY 6	13 800	1962
1963	...	2.27 ON JUN 23	0.034 ON MAY 1	11 900	1963
1964	...	1.38 ON JUL 7	0.040 ON MAY 24	12 300	1964
1965	...	1.67 ON JUN 17	0.095 ON MAY 19	10 900	1965
1966	...	1.86 ON JUL 25	0.045 ON MAY 23	13 100	1966
1967	...	1.47 ON MAY 10	0.142 ON JUN 23	12 900	1967
1968	...	1.52 ON AUG 12	0.081 ON MAY 2	14 200	1968
1969	...	1.51 ON JUN 25	0.193 ON MAY 22	14 900	1969
1970	...	2.10 ON JUN 14	0.037 ON OCT 28	15 700	1970
1971	...	2.14 ON JUL 10	0.1138 ON OCT 30	16 500	1971
1972	...	2.24 ON JUL 24	0.144 ON MAY 15	14 700	1972
1973	...	2.15 ON AUG 13	0 E ON MAY 10 *	19 500	1973
1974	...	2.91 ON JUL 22	0.127 ON OCT 31	18 700	1974
1975	...	2.30 ON AUG 1	0.078 ON JUN 13	15 700	1975
1976	...	2.60 ON JUL 13	0.128 ON MAY 6	23 600	1976
1977	...	...	...	...	1977
1978	...	2.60 ON AUG 23	0.085 ON MAY 22	16 200	1978
1979	...	2.38A ON JUL 30	0.039E ON MAY 20	16 500	1979
1980	...	2.78 ON MAY 26	0.106 ON OCT 6	21 000	1980
1981	...	2.07 ON JUN 14	0.055 ON MAY 1	21 500	1981
1982	...	2.30 ON JUL 2	0.126 ON MAY 3	19 600	1982
1983	...	2.79 ON JUL 18	0.150 ON MAY 20	25 400	1983
1984	...	2.41 ON JUN 23	0.0788 ON OCT 30	18 200	1984
1985	...	2.34 ON AUG 12	0.090 ON MAY 6	19 100	1985
1986	...	2.89 ON SEP 26	0.067 ON MAY 1	23 000	1986
				16 900	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

FALLENTIMBER CREEK NEAR SUNDRE - STATION NO. 05CA012

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	...	...	...	...	5.40	5.12	3.67	2.84	3.36	3.03	...	...	...	1978
1979	...	...	...	...	...	2.08	1.36	1.10	0.881	...	...	...	...	1979
1980	...	...	...	...	2.77	5.42	1.92	1.84	1.51	1.17	...	...	...	1980
1981	...	...	...	1.45	10.5	6.07	11.8	8.95	2.21	...	...	...	...	1981
1982	...	...	...	...	...	...	5.64	2.12	1.80	1.51	...	...	...	1982
1983	...	...	...	...	4.72	2.73	...	...	0.753	0.629	...	...	...	1983
1984	...	...	...	...	...	3.40	0.772	0.394	0.569	0.885	...	...	...	1984
1985	...	...	...	...	...	1.51	0.525	0.671	4.07	2.10	...	...	...	1985
1986	...	...	...	...	6.21	3.67	12.8	3.82	5.91	5.82	...	...	...	1986
MEAN	...	...	...	1.45	5.34	3.80	4.93	2.70	2.41	2.16	...	...	...	MEAN

LOCATION - LAT 51 44 10 N, LONG 114 39 20 W
DRAINAGE AREA 498 km^2
NATURAL FLOW
DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

FALLENTIMBER CREEK NEAR SUNDRE - STATION NO. 05CA012

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	...	...	...	...	1978
1979	...	...	...	...	1979
1980	...	17.0A ON JUN 5	...	...	1980
1981	94.4 AT 08 30 MDT ON JUL 31	44.0 ON JUL 31	...	...	1981
1982	24.5 AT 22 21 MST ON JUL 4	18.3 ON JUL 5	...	...	1982
1983	41.7 AT 03 19 MST ON JUL 6	32.4 ON JUL 6	...	...	1983
1984	18.1 AT 15 44 MST ON JUN 9	16.0 ON JUN 9	...	...	1984
1985	...	24.1 ON SEP 13	...	...	1985
1986	75.6 AT 11 41 MST ON JUL 18 *	66.3 ON JUL 18 *	...	...	1986
				...	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

FIDDLE RIVER ABOVE MORRIS CREEK - STATION NO. 07AA010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	...	...	...	...	...	...	4.36	2.11	1.48	1.30	...	...	...	1967
1968	...	...	...	...	...	5.92	...	4.90	2.82	1.76	...	...	...	1968
MEAN	...	...	...	...	...	5.92	4.36	3.85	2.15	1.53	...	...	...	MEAN

LOCATION - LAT 52 10 40 N, LONG 117 48 53 W
DRAINAGE AREA 203 km^2
NATURAL FLOW

FIDDLE RIVER AT HIGHWAY NO. 16 - STATION NO. 07AA006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1962	---	---	---	---	5.67	5.34	6.97	4.08	3.83	1.66	---	---	---	1962
1963	---	---	---	---	4.65	8.01	5.65	2.79	2.05	0.904	---	---	---	1963
1964	---	---	0.805	0.450	3.20	12.9	6.47	2.89	5.80	6.91	---	---	---	1964
1965	---	---	1.01	1.24	8.70	15.0	12.3	3.62	8.57	3.95	---	---	---	1965
MEAN	---	---	0.808	0.845	5.57	11.6	8.10	3.10	5.04	3.36	---	---	---	MEAN

LOCATION: LAT. 53 12 35 N, LONG. 111 50 50 W. DRAINAGE AREA: 236 km². NATURAL FLOW.

FIDDLE RIVER AT HIGHWAY NO. 16 - STATION NO. 07AA006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1962	---	14.3 ON MAY 27	0.8 ON MAR 15 *	---	1962
1963	---	22.1 ON JUL 14	---	---	1963
1964	---	36.0 ON JUN 6 *	---	---	1964
1965	---	28.2 ON JUL 12	---	---	1965
				---	MEAN

B - ICE CONDITIONS. * - EXTREME RECORDED FOR THE PERIOD OF RECORD.

FIREBAG RIVER NEAR THE MOUTH - STATION NO. 07DC001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	---	---	---	---	---	---	---	---	5.67	6.13	---	1971
1972	7.63	7.06	7.73	---	---	---	---	---	---	---	---	---	---	1972
1973	10.3	8.35	8.17	---	---	33.2	33.8	17.3	16.4	25.8	16.3	11.0	---	1973
1974	10.9	10.0	10.3	---	---	26.5	56.4	57.0	29.3	43.0	23.5	12.5	---	1974
1975	11.1	9.67	9.41	23.1	44.6	46.3	58.8	47.3	56.8	53.7	25.6	12.8	34.1	1975
1976	11.2	10.0	9.17	62.4	30.9	26.6	---	16.6	31.6	31.7	13.5	10.9	---	1976
1977	9.32	10.2	10.5	37.3	36.5	33.5	36.5	20.7	31.2	23.6	12.6	10.1	22.0	1977
1978	8.86	7.23	8.26	23.4	56.9	35.2	17.9	35.5	59.7	58.0	24.6	14.5	30.1	1978
1979	11.3	8.66	9.70	13.1	113	44.1	22.1	23.7	25.2	26.5	16.5	13.0	27.4	1979
1980	9.50	7.34	7.66	26.5	19.0	16.6	15.3	24.2	34.9	26.5	11.3	9.16	17.5	1980
1981	8.72	8.72	11.1	15.0	24.2	24.6	36.5	12.3	8.87	10.2	11.0	9.20	15.1	1981
1982	8.66	8.32	8.67	15.1	56.1	24.2	17.2	18.2	17.8	16.2	13.9	9.45	18.6	1982
1983	9.12	8.14	8.66	26.6	30.6	23.1	13.9	13.5	13.4	14.5	13.7	8.20	15.4	1983
1984	7.21	7.00	7.35	27.4	16.0	30.1	26.1	35.3	32.6	34.9	20.2	12.1	21.7	1984
1985	8.18	7.51	7.52	54.6	133	31.6	20.1	12.5	15.9	19.2	15.9	10.7	26.3	1985
1986	13.2	11.6	10.2	30.0	74.6	39.9	12.7	26.5	15.6	18.4	14.2	12.0	27.2	1986
MEAN	9.61	8.72	8.91	28.1	54.1	32.7	32.1	28.5	28.6	28.6	16.3	11.2	23.6	MEAN

LOCATION: LAT. 57 35 30 N, LONG. 111 10 30 W. DRAINAGE AREA: 5 990 km². NATURAL FLOW.

FIREBAG RIVER NEAR THE MOUTH - STATION NO. 07DC001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	---	---	---	---	1971
1972	---	---	---	---	1972
1973	---	---	---	---	1973
1974	---	---	7 065 ON FEB 1	---	1974
1975	38.6 AT 16 00 MST ON SEP 1	36.5 ON SEP 1	6 696 ON JAN 31	---	1975
1976	---	60.96 ON APR 19	8 150 ON MAR 12	1 060 000	1976
1977	---	73.98 ON APR 19	8 506 ON MAR 6	---	1977
1978	84.5 AT 04 20 MST ON SEP 13	84.3 ON SEP 13	6 358 ON JAN 3	855 000	1978
1979	204 AT 12 15 MST ON MAY 16 *	201 ON MAY 16	6 948 ON FEB 10	848 000	1979
1980	61.98 AT 07 30 MST ON APR 20	45.98 ON APR 21	7 602 ON FEB 11	865 000	1980
1981	57.6 AT 00 05 MST ON JUL 15	57.54 ON JUL 15	7 309 ON JAN 31	552 000	1981
1982	---	53.05 ON MAY 4	4 24 ON DEC 25 *	476 000	1982
1983	84.9 AT 09 20 MST ON APR 26	84.14 ON APR 26	5 440 ON MAR 25	562 000	1983
1984	---	60.05 ON OCT 22	7 158 ON DEC 28	465 000	1984
1985	---	---	7 008 ON JAN 31	885 000	1985
1986	92.8 AT 01 04 MST ON MAY 13	236.6 ON MAY 5 *	7 306 ON MAR 15	853 000	1986
		92.3 ON MAY 13	7 828 ON FEB 24	856 000	MEAN
				735 000	

A - MANUAL GAUGE (SEE REFERENCE INDEX). B - ICE CONDITIONS. E - ESTIMATED. * - EXTREME RECORDED FOR THE PERIOD OF RECORD.

FISH CREEK ABOVE LITTLE FISH LAKE - STATION NO. 05CE006

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	---	---	---	---	---	---	0.001	0	---	---	---	1984
1985	---	---	0.151	1.11	0.230	0.001	0	0	0.005	0.006	---	---	0.186	1985
1986	---	---	0.074	0.011	0.006	0.002	0	0	0.004	0.010	---	---	0.013	1986
MEAN	---	---	0.113	0.561	0.118	0.002	0	0	0.003	0.005	---	---	0.100	MEAN

LOCATION - LAT 51 23 15 N DRAINAGE AREA 121 km²
LONG 112 12 15 W NATURAL FLOW

FISH CREEK ABOVE LITTLE FISH LAKE - STATION NO. 05CE006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1984	---	---	0 ON AUG 21 *	---	1984
1985	14.4 AT 00 06 MST ON APR 2 *	10.5 ON APR 2 *	00 ON MAR 1	2 930	1985
1986	---	0.727B ON MAR 1	0 ON APR 20	263	1986
				2 110	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

FISH CREEK NEAR HINTON - STATION NO. 07AD005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	0.125	0.118	0.117	0.210	---	---	---	1972
1973	---	---	---	---	0.676	0.212	0.076	0.123	0.060	---	---	---	---	1973
1974	---	---	---	0.234	0.392	0.169	0.153	0.080	---	---	---	---	---	1974
MEAN	---	---	---	0.234	0.533	0.155	0.118	0.100	0.089	0.210	---	---	---	MEAN

LOCATION - LAT 53 25 10 N DRAINAGE AREA 25.6 km²
LONG 117 35 05 W NATURAL FLOW

FISH CREEK NEAR HINTON - STATION NO. 07AD005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1972	---	---	---	---	1972
1973	1.55 AT 16 30 MST ON JUN 24 *	1.31 ON JUN 24 *	---	---	1973
1974	0.537 AT 15 20 MST ON APR 25	0.748 ON JUL 12	---	---	1974
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

FISH CREEK NEAR MIDNAPORE - STATION NO. 05BK002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1917	---	---	---	---	8.30	11.5	1.30	0.687	0.619	0.562	---	---	---	1917
1918	---	---	---	---	1.51	1.19	0.366	0.139	0.104	0.260	---	---	---	1918
1919	---	---	0.027	0.870	1.15	0.270	0.006	0.385	0.007	0.100	---	---	0.358	1919
MEAN	---	---	0.027	0.870	3.66	4.34	0.524	0.401	0.243	0.307	---	---	0.358	MEAN

LOCATION - LAT 50 55 45 N DRAINAGE AREA 626 km²
LONG 114 02 55 W NATURAL FLOW

FISH CREEK NEAR MIDNAPORE - STATION NO. 05BK002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1917	---	72.2 ON JUN 3 *	---	---	1917
1918	---	5.38 ON JUN 1	---	---	1918
1919	---	2.22 ON MAY 10	0.001 ON JUL 13 *	7 500	1919
				7 500	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

FISH CREEK NEAR PRIDDIS - STATION NO. 05BK001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	---	---	---	1.52	0.473	0.288	0.632	---	---	---	1908
1909	---	---	---	---	---	1.87	1.89	0.446	0.189	0.193	---	---	---	1909
1910	---	---	---	---	0.222	0.205	0.013	0.042	0.483	0.193	---	---	---	1910
1911	---	---	---	1.81	2.04	1.60	1.83	4.42	1.46	1.06	---	---	---	1911
1912	---	---	---	---	2.16	1.86	10.8	2.53	2.01	1.75	---	---	---	1912
1913	---	---	---	---	2.73	2.29	1.19	0.816	0.465	0.480	---	---	---	1913
1914	---	---	---	---	0.779	1.05	0.489	0.144	0.088	0.482	---	---	---	1914
1915	---	---	---	0.789	6.06	15.5	20.1	5.38	3.97	3.44	---	---	---	1915
1916	---	---	---	6.92	6.60	23.8	4.40	6.31	8.02	2.23	---	---	---	1916
1956	---	---	0.380	0.947	1.43	0.595	0.651	0.316	0.194	0.119	0.113	0.184	0.574	1956
1957	0.123	0.063	0.391	2.59	1.80	1.12	0.213	0.238	0.264	0.452	0.508	0.234	0.847	1957
1958	0.293	0.060	0.026	0.38	2.56	1.66	2.38	0.357	0.399	0.236	0.093	0.077	1.49	1958
1959	0.113	0.186	0.564	2.13	1.87	3.89	0.599	0.398	0.295	0.380	0.402	0.141	1.25	1959
1960	0.059	0.064	1.66	1.16	1.80	1.10	0.431	0.143	0.071	0.108	0.077	0.055	0.832	1960
1961	0.076	0.060	0.313	0.651	2.03	0.347	0.211	0.166	0.136	0.506	0.357	0.182	0.546	1961
1962	0.143	0.206	0.781	3.37	1.72	0.885	0.144	0.020	0.185	0.114	0.091	0.087	0.886	1962
1963	0.100	0.188	0.165	0.556	0.349	3.41	2.42	0.228	0.174	0.070	0.077	0.083	0.913	1963
1964	0.029	0.030	0.953	0.698	3.82	2.35	0.587	0.027	0.154	0.106	0.119	0.029	0.949	1964
1965	0	0.076	0.170	3.11	0.646	3.36	4.85	1.87	2.11	1.28	0.597	0.232	2.16	1965
1966	0.080	0.020	0.200	0.556	2.32	2.46	1.77	0.675	0.349	0.320	0.093	0.048	1.10	1966
1967	0.070	0.120	1.80	6.83	5.08	5.83	0.713	0.270	0.084	0.124	0.132	0.058	2.30	1967
1968	0.080	0.191	0.943	0.585	0.742	1.32	0.261	0.308	0.660	0.644	---	---	0.843	1968
1969	---	---	0.180	4.01	3.45	6.72	5.08	0.474	0.342	0.281	---	---	2.55	1969
1970	---	---	0.120	2.53	2.04	3.33	0.758	0.078	0.150	0.176	---	---	1.14	1970
1971	---	---	0.087	3.84	0.927	3.20	0.308	0.018	0.105	0.199	---	---	1.07	1971
1972	---	---	1.31	2.53	1.24	1.16	0.526	0.364	0.432	0.336	---	---	0.975	1972
1973	---	---	0.911	2.20	3.56	2.53	0.316	0.141	0.300	0.249	---	---	1.26	1973
1974	---	---	0.956	3.85	6.48	1.85	0.311	0.317	0.163	0.244	---	---	1.89	1974
1975	---	---	0.000	1.65	1.88	1.39	0.243	0.082	0.086	0.083	---	---	0.669	1975
1976	---	---	0.007	0.614	0.667	0.316	0.074	0.701	0.179	0.117	---	---	0.365	1976
1977	---	---	0.006	1.28	0.911	0.267	0.067	0.082	0.263	0.229	---	---	0.395	1977
1978	---	---	1.36	2.18	3.19	2.45	1.06	0.573	0.738	0.331	---	---	1.68	1978
1979	---	---	1.13	2.25	2.09	0.630	0.272	0.102	0.024	0.100	---	---	0.635	1979
1980	---	---	0.005	1.65	1.53	2.05	0.102	0.085	0.191	0.185	---	---	0.756	1980
1981	---	---	0.371	0.296	4.40	3.09	1.55	0.658	8.132	0.228	---	---	1.34	1981
1982	---	---	0.055	1.25	0.885	1.49	0.817	0.031	0.208	0.223	---	---	0.613	1982
1983	---	---	0.185	2.15	1.22	0.502	0.715	0.005	0	0.034	---	---	0.598	1983
1984	---	---	0.186	0.378	0.305	0.725	0.011	0.004	0.003	0.022	---	---	0.202	1984
1985	---	---	0.270	1.62	0.711	0.293	0.010	0.110	0.939	0.447	---	---	0.521	1985
1986	---	---	0.500	0.353	1.40	0.665	0.740	0.170	1.05	1.42	---	---	0.787	1986
MEAN	0.095	0.080	0.610	1.88	2.18	2.78	1.76	0.739	0.683	0.500	0.222	0.119	1.02	MEAN

LOCATION: LAT 50 53 14 N DRAINAGE AREA 259 km²
LONG 114 10 55 W NATURAL FLOW

FISH CREEK NEAR PRIDDIS - STATION NO 05BK001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)		MAXIMUM DAILY DISCHARGE (m^3/s)		MINIMUM DAILY DISCHARGE (m^3/s)		TOTAL DISCHARGE (dam^3)	YEAR
1908	---		---		---		---	1908
1909	---		---		---		---	1909
1910	---		---		---		---	1910
1911	---		---		---		---	1911
1912	---		45.3 ON AUG 6		---		---	1912
1913	---		37.1 ON JUL 25		---		---	1913
1914	---		6.76 ON JUN 29		---		---	1914
			3.11 ON JUN 26		---		---	
1915	200	ON JUN 26 *	189 ON JUN 26 *		---		---	1915
1916	---		121 ON JUN 6		---		---	1916
1956	---		5.66 ON MAY 13		0.020 ON AUG 24		12 100	1956
1957	---		7.33B ON APR 18		0 B ON MAR 8 *		17 900	1957
1958	---		13.6 B ON APR 16		0 B ON MAR 23		31 600	1958
1959	61.2	ON JUN 27	35.2 ON JUN 27		0.028B ON MAR 8		26 600	1959
1960	---		8.78B ON MAR 24		0.045 ON SEP 14		17 600	1960
1961	8.05	ON MAY 16	3.54 ON MAY 1		0 B ON MAR 7		11 600	1961
1962	--		8.64B ON APR 6		0 ON AUG 16		16 700	1962
1963	---		56.6 ON JUN 30		0 B ON MAR 6		15 300	1963
1964	---		17.3 ON MAY 2		0 ON AUG 13		20 000	1964
1965	---		29.2 ON JUL 8		0 B ON MAR 4		45 800	1965
1966	---		16.8 ON JUL 3		0.014B ON MAR 1		23 300	1966
1967	---		72.5 ON MAY 31		0.051 ON SEP 20		46 800	1967
1968	---		7.25 ON JUN 8		0.076 ON JUL 18		13 600	1968
1969	---		75.3 ON JUN 29		0.088 ON AUG 31		54 000	1969
1970	---		34.5 ON JUN 14		0.040E ON AUG 28		24 100	1970
1971	---		19.5 ON JUN 5		0.003 ON AUG 9		22 700	1971
1972	---		7.18B ON APR 5		0 B ON MAR 1		20 800	1972
1973	---		12.1 ON MAY 25		0.082 ON AUG 21		26 600	1973
1974	---		20.7 ON APR 29		0.017B ON MAR 6		35 800	1974
1975	---		10.0 ON MAY 8		0 B ON MAR 1		14 200	1975
1976	---		3.26 ON AUG 10		0.004 ON JUL 26		7 740	1976
1977	---		5.88B ON APR 5		0.007 ON AUG 2		8 350	1977
1978	---		21.1 ON MAY 31		0 B ON MAR 1		31 300	1978
1979	---		8.45 ON APR 27		0 B ON MAR 1		17 700	1979
1980	---		10.8 ON JUN 4		0 B ON MAR 1		16 000	1980
1981	---		17.0 ON JUN 14		0.031 ON SEP 20		28 400	1981
1982	---		4.67 ON JUN 7		0 B ON MAR 1		13 000	1982
1983	---		15.0 ON APR 25		0 B ON MAR 1		12 600	1983
1984	5.64 AT 09 37 MST ON JUN 9		4.80 ON JUN 9		0 B ON MAR 1		4 280	1984
1985	8.26 AT 08 40 MST ON SEP 13		5.52 ON SEP 13		0 B ON MAR 1		11 000	1985
1986	---		5.90 ON SEP 27		0.043 ON AUG 29		16 600	1986
							21 700	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

FIVE MILE CREEK NEAR SPRING POINT - STATION NO 05AB014

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1922	---	---	0.014	0.116	0.138	0.042	0.055	0.012	0.007	0.008	---	---	---	1922
1923	---	---	0.007	0.082	0.111	1.21	0.480	0.205	0.108	0.059	---	---	---	1923
MEAN	---	---	0.011	0.099	0.125	0.626	0.268	0.109	0.057	0.034	---	---	---	MEAN

LOCATION - LAT 49 43 55 N
LONG 113 51 05 W
DRAINAGE AREA 53.1 km^2
NATURAL FLOW

FIVE MILE CREEK NEAR SPRING POINT - STATION NO 05AB014

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1922	---	0.396B ON MAY 3	0B ON MAR 1 *	---	1922
1923	---	5.97 ON JUN 1 *	0B ON MAR 1	---	1923
				---	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

FLAT CREEK NEAR BOYLE - STATION NO 07CA003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1919	---	---	---	---	---	---	---	0 042	0 195	---	---	---	---	1919
1920	---	---	---	---	---	7 05	0 670	0 436	0 069	0 145	---	---	---	1920
1921	---	---	---	0 835	0 351	0 869	3 36	0 893	0 220	0 089	---	---	---	1921
1922	---	---	---	0 824	1 09	0 255	0 065	0 002	0 014	0 005	---	---	---	1922
1923	---	---	---	---	---	0 456	1 36	0 074	0 007	0	---	---	---	1923
1924	---	---	---	0 004	0 102	0 077	0 085	0 087	0 151	0 106	---	---	---	1924
1925	---	---	---	0 489	0 818	0 825	0 112	0 125	0 087	0 076	---	---	---	1925
1926	---	---	---	0 135	0 139	0 171	0 062	0 009	0 033	0 059	---	---	---	1926
1927	---	---	---	0 870	0 488	0 779	3 49	0 213	0 209	1 20	---	---	---	1927
1928	---	---	---	0 271	2 13	1 27	0 725	0 421	0 316	0 239	---	---	---	1928
1929	---	---	---	0 585	0 236	0 227	0 905	0 188	0 070	0 036	---	---	---	1929
1930	---	---	---	0 338	0 875	2 60	0 885	0 274	0 181	0 147	---	---	---	1930
1931	---	---	---	0 261	---	---	---	---	---	---	---	---	---	1931
1980	---	---	---	---	---	---	0 098	0 803	0 735	0 216	---	---	---	1980
1981	---	---	0 476	0 983	0 181	0 284	0 529	0 091	0 002	0 023	---	---	0 310	1981
1982	---	---	0	0 575	0 135	0 016	0 040	0 046	0 034	0 011	---	---	0 118	1982
1983	---	---	0 007	0 162	0 025	0 183	0 882	0 059	0 005	0 012	---	---	0 141	1983
1984	---	---	0 170	0 174	0 141	0 720	0 018	0 026	0 085	0 038	---	---	0 157	1984
1985	---	---	0 106	2 15	0 529	0 140	0 065	0	0	0	---	---	0 372	1985
1986	---	---	0 334	0 197	0 057	0 002	1 78	0 204	0	0 020	---	---	0 329	1986
MEAN	---	---	0 182	0 540	0 474	0 837	0 827	0 188	0 127	0 136	---	---	0 240	MEAN

LOCATION - LAT 54 35 15 N DRAINAGE AREA 184 km²
LONG 112 54 20 W NATURAL FLOW

FLAT CREEK NEAR BOYLE - STATION NO 07CA003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1919	---	---	---	---	1919
1920	---	42 8 ON JUN 15 *	---	---	1920
1921	---	17 0 ON JUL 4	---	---	1921
1922	---	2 86 ON MAY 12	0 ON AUG 10 *	---	1922
1923	---	5 29 ON JUL 6	0 ON SEP 11	---	1923
1924	---	0 190 ON SEP 9	0E ON APR 1	---	1924
1925	---	1 40 ON JUN 10	0E ON APR 1	---	1925
1926	---	0 258 ON JUN 18	---	---	1926
1927	---	8 16 ON JUL 9	0E ON APR 1	---	1927
1928	---	5 32 ON MAY 4	---	---	1928
1929	---	2 01 ON JUL 14	---	---	1929
1930	---	5 47 ON JUN 15	0E ON APR 1	---	1930
1931	---	---	---	---	1931
1980	---	---	---	---	1980
1981	3 09 AT 22 05 MST ON MAR 31	2 84 ON MAR 31	0 ON SEP 16	5 560	1981
1982	2 660 AT 17 00 MST ON APR 22	2 46 E ON APR 23	0E ON MAR 1	2 510	1982
1983	2 29 AT 18 31 MST ON JUL 22	2 25 ON JUL 22	0E ON MAR 1	2 880	1983
1984	2 51 AT 11 44 MST ON JUN 8	2 43 ON JUN 8	0E ON MAR 1	3 550	1984
1985	4 66 AT 08 44 MST ON APR 27	4 60 E ON APR 2	0E ON MAR 1	7 880	1985
1986	10 6 AT 01 10 MST ON JUL 19 *	10 1 ON JUL 19	0 ON JUN 7	5 970	1986
				5 080	MEAN

E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

FLAT CREEK NEAR DONATVILLE - STATION NO 07CA001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1920	---	---	---	---	---	38 4	15 6	2 04	1 21	0 994	---	---	---	1920
1921	---	---	---	---	0 539	0 331	2 65	3 46	1 61	0 412	---	---	---	1921
1922	---	---	---	---	2 10	---	---	---	0 057	0 024	---	---	---	1922
1923	---	---	---	0 704	0 586	0 455	0 781	0 300	0 196	0 142	---	---	0 455	1923
1924	---	---	---	0 104	0 316	0 055	0 028	0 018	0 018	0 040	---	---	0 083	1924
1925	---	---	---	1 06	1 84	1 80	0 696	0 258	0 101	0 065	---	---	0 804	1925
1926	---	---	---	0 117	0 128	0 092	0 013	0	0	0 003	---	---	0 050	1926
1927	---	---	0 010	0 101	0 118	0 118	9 71	1 17	2 60	2 73	---	---	3 25	1927
1928	---	---	---	0 815	1 65	1 17	0 827	0 451	0 323	0 280	---	---	0 790	1928
1929	---	---	---	0 836	0 951	0 357	0 335	0 336	0 295	0 225	---	---	0 491	1929
1930	---	---	---	0 133	0 207	0 938	1 09	0 492	0 308	0 349	---	---	0 502	1930
1931	---	---	---	0 018	---	---	---	---	---	---	---	---	---	1931
MEAN	---	---	0 010	0 423	0 866	4 35	3 30	1 45	0 811	0 479	---	---	0 803	MEAN

LOCATION - LAT 56 45 20 N DRAINAGE AREA 865 km²
LONG 112 52 23 W NATURAL FLOW

FLAT CREEK NEAR DONATVILLE - STATION NO 07EA001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1920	---	63.4 ON JUN 24 *	---	---	1920
1921	---	4.87 ON AUG 2	---	---	1921
1922	---	---	---	---	1922
1923	---	2.83 B ON APR 15	0 B ON APR 1 *	8 630	1923
1924	---	1.53 B ON MAY 2	0 ON JUL 30	1 940	1924
1925	---	2.89 ON MAY 1	0 B ON APR 1	14 800	1925
1926	---	0.2270 ON APR 13	0 ON JUL 20	523	1926
1927	---	21.9 ON JUL 9	0.0060 ON APR 2	60 100	1927
1928	---	2.86 ON MAY 16	0.210 ON OCT 10	14 500	1928
1929	---	1.76 B ON APR 14	0.0930 ON OCT 31	9 080	1929
1930	---	1.70 ON JUN 16	0 B ON APR 2	9 790	1930
1931	---	---	0 B ON APR 1	---	1931
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		14 900	MEAN

FOOTHILLS CREEK NEAR PINCHER CREEK - STATION NO 05AD801

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1983	---	---	---	0.104	0.102	0.022	0	0	0	0	---	---	0.032	1983
1984	---	---	---	0.012	0.018	0.001	0	0	0	0	---	---	0.004	1984
1985	---	---	---	0.060	0.013	0.011	0	0	0.017	0.236	---	---	0.051	1985
1986	---	---	---	0.296	0.468	0.123	0	0	0	0.003	---	---	0.127	1986
MEAN	---	---	---	0.123	0.151	0.035	0	0	0.004	0.060	---	---	0.054	MEAN

LOCATION - LAT 49 24 25 N
LONG 113 42 00 W NATURAL FLOW

DATA CONTRIBUTED BY:
ALBERTA DEPARTMENT OF THE ENVIRONMENT

FOOTHILLS CREEK NEAR PINCHER CREEK - STATION NO 05AD801

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1983	---	0.2070 ON MAY 21	0 ON JUN 22 *	601	1983
1984	0.074 AT 05 10 MST ON APR 21	0.061 ON APR 21	0 ON APR 1	82.8	1984
1985	0.832 AT 04 10 MST ON OCT 13 *	0.836 ON OCT 17	0 ON JUN 13	855	1985
1986	---	1.11 ON MAY 7 *	0 ON JUN 25	2 360	1986
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD B - REVISED SINCE JAN 1 1986		855	MEAN

FORTY MILE CREEK NEAR BANFF - STATION NO 05BB003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	---	---	---	---	4.10	2.05	1.05	1.20	0.763	---	1912
1913	0.817	0.712	0.933	1.05	2.66	10.6	4.68	3.40	2.11	1.05	1.26	0.926	4.21	1913
1914	0.852	0.835	0.793	0.825	3.45	8.68	5.95	2.22	1.50	1.01	1.23	0.883	3.86	1914
1915	0.765	0.585	0.440	0.962	2.17	5.20	4.42	3.25	2.05	1.72	1.28	0.927	3.41	1915
1916	0.567	0.602	0.536	0.837	1.66	9.66	6.87	3.53	2.36	1.53	0.864	0.567	4.62	1916
1917	0.432	0.456	0.368	0.378	2.06	7.02	5.61	2.25	1.36	1.25	0.800	0.765	3.26	1917
1918	0.516	0.380	0.364	0.502	2.08	5.86	3.72	2.12	1.43	1.22	0.768	0.628	2.75	1918
1919	0.464	0.446	0.336	0.689	3.38	9.06	2.83	2.54	1.35	0.736	0.507	0.306	2.85	1919
1920	0.221	0.305	0.335	---	---	---	---	---	---	---	---	---	---	1920
1945	---	---	---	---	---	---	---	---	---	1.10	0.953	0.846	---	1945
1946	0.511	0.483	0.468	0.627	---	7.18	3.94	2.31	2.68	1.84	1.18	0.827	---	1946
1947	0.653	0.489	0.451	0.781	5.62	7.54	4.22	1.83	1.70	1.43	1.08	0.877	3.73	1947
1948	0.715	0.631	0.503	0.802	---	---	---	---	---	---	---	---	---	1948
1972	---	---	---	---	3.16	10.3	5.40	3.85	2.17	1.63	---	---	4.53	1972
1973	---	---	---	---	3.72	8.72	5.85	2.37	1.61	0.950	---	---	3.85	1973
1974	---	---	---	---	1.37	8.85	5.16	2.62	1.65	1.13	---	---	3.45	1974
1975	---	---	---	---	1.11	3.65	3.34	2.16	1.51	1.06	---	---	2.12	1975
1976	---	---	---	---	3.68	5.26	5.10	3.75	2.36	1.31	---	---	3.76	1976
1977	---	---	---	---	2.55	6.63	3.07	2.56	1.67	1.26	---	---	2.71	1977
MEAN	0.572	0.517	0.469	0.721	2.76	7.16	5.06	2.60	1.85	1.41	0.985	0.674	3.46	MEAN

LOCATION - LAT 51 12 24 N
LONG 115 35 05 W

DRAINAGE AREA 133 km^2
NATURAL FLOW

FORTY MILE CREEK NEAR BANFF - STATION NO 05BB003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	...	...	...	...	1912
1913	...	15 7 ON JUN 12	1 02 ON MAY 9	87 800	1913
1914	...	13 7 ON JUN 17	1 19 ON SEP 7	81 600	1914
1915	...	14 4 ON JUN 26	1 53 ON OCT 25	95 200	1915
1916	...	20 2 ON JUN 15 *	0 905 ON MAY 1	70 300	1916
1917	...	10 0 ON JUN 18	0 388 ON MAY 1	52 300	1917
1918	...	12 0 ON JUN 14	0 552 ON MAY 2	43 700	1918
1919	...	8 44 ON MAY 26	0 340 ON OCT 27 *	42 000	1919
1920	...	...	...	...	1920
1945	...	...	...	...	1945
1946	...	13 1 ON MAY 29	1 06 ON MAY 1	...	1946
1947	...	16 9 ON JUN 12	1 21 ON OCT 30	59 200	1947
1948	...	...	...	...	1948
1972	18 1 AT 08 00 MST ON JUN 1	16 9 ON JUN 1	0 428 ON MAY 10	71 900	1972
1973	12 7 AT 15 00 MST ON JUN 24	12 5 ON JUN 24	0 623E ON MAY 1	81 000	1973
1974	20 5 AT 03 00 MST ON JUN 17 *	18 5 ON JUN 24	0 884 ON MAY 19	54 800	1974
1975	5 24 AT 04 30 MST ON JUN 26	5 13 ON JUN 25	0 595 ON MAY 1	33 700	1975
1976	15 3 AT 03 30 MST ON JUL 1	13 3 ON JUL 1	1 10 E ON OCT 28	80 300	1976
1977	12 0 AT 02 00 MST ON JUN 8	11 2 ON JUN 8	1 06 ON OCT 31	43 200	1977
				55 500	MEAN

E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

FREEMAN RIVER NEAR FORT ASSINIBOINE - STATION NO 07AH001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	...	...	...	...	...	65 0	31 4	32 0	20 8	8 16	...	...	...	1965
1966	...	...	0 107	3 45	22 7	9 95	13 1	18 8	6 04	0 885	...	...	9 38	1966
1967	...	...	0 709	2 49	42 7	20 4	1 72	1 19	0 880	0 818	...	...	8 82	1967
1968	...	...	1 12	3 24	20 6	23 1	4 29	3 81	3 23	3 26	...	...	7 81	1968
1969	...	...	0 446	20 0	11 3	1 95	2 86	7 27	12 9	3 80	...	...	7 52	1969
1970	...	...	1 13	4 84	27 9	18 8	13 1	6 02	4 70	2 18	...	...	9 81	1970
1971	...	...	0 500	10 6	17 8	38 1	97 0	17 4	3 84	2 73	...	...	23 5	1971
1972	...	...	0 580	4 72	63 6	25 2	14 9	7 59	4 02	3 38	...	...	15 5	1972
1973	...	...	0 592	5 77	19 1	29 1	6 85	9 57	5 34	5 41	...	...	10 4	1973
1974	...	...	0 821	26 7	73 5	11 5	33 1	5 10	3 81	3 32	...	...	18 8	1974
1975	...	...	0 692	7 76	20 3	26 1	15 7	8 88	12 2	4 32	...	...	11 8	1975
1976	...	...	0 795	19 3	11 5	11 8	17 5	36 5	16 4	6 05	...	...	14 7	1976
1977	...	...	1 37	16 7	42 6	36 6	29 3	6 02	6 22	5 49	...	...	16 8	1977
1978	...	...	0 926	9 26	15 7	16 7	18 3	7 36	21 0	8 11	...	...	12 1	1978
1979	...	...	1 22	4 03	45 2	45 9	44 6	7 77	2 35	2 08	...	...	19 2	1979
1980	...	...	0 185	13 8	7 25	11 8	13 4	10 4	16 6	5 81	...	...	9 97	1980
1981	...	...	1 27	9 51	10 8	14 2	8 35	3 13	1 07	1 57	...	...	6 21	1981
1982	...	...	0 382	3 56	30 9	4 18	26 5	32 4	5 76	3 61	...	...	13 8	1982
1983	...	...	0 213	5 76	4 88	21 9	62 0	10 7	4 75	3 55	...	...	14 3	1983
1984	...	...	0 942	7 06	17 4	39 1	12 7	4 46	4 81	3 51	...	...	11 2	1984
1985	...	...	1 36	6 84	25 2	16 5	6 50	4 08	15 8	11 4	...	...	10 9	1985
1986	...	...	1 01	17 1	37 4	15 7	36 7	8 88	3 68	9 50	...	...	16 3	1986
MEAN	...	...	0 779	9 85	27 1	21 5	23 3	11 3	7 94	4 92	...	...	12 8	MEAN

LOCATION - LAT 54 21 52 N LONG 114 54 13 W

DRAINAGE AREA 1 880 km^2
NATURAL FLOW

FREEMAN RIVER NEAR FORT ASSINIBOINE - STATION NO 07AH001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	...	389 ON JUN 29 *	...	...	1965
1966	...	87 1 ON AUG 29	0 0578 ON MAR 1 *	185 000	1966
1967	...	72 8 ON MAY 18	0 5418 ON MAR *	186 000	1967
1968	...	49 6 ON JUN 14	1 02 B ON MAR 17	165 000	1968
1969	...	46 4 ON APR 19	0 0578 ON MAR 1	159 000	1969
1970	101 AT 11 42 MST ON JUN 17	83 8 ON JUN 17	0 8788 ON APR 9	208 000	1970
1971	...	382 A ON JUL 6	0 453 ON MAR 1	499 000	1971
1972	187 AT 15 00 MST ON MAY 19 *	171 ON MAY 19	0 4538 ON MAR 1	328 000	1972
1973	124 AT 14 00 MST ON JUN 17	103 ON JUN 17	0 5368 ON MAR 1	220 000	1973
1974	...	231 ON JUL 14	0 8138 ON APR 2	419 000	1974
1975	...	227 A ON JUN 29	0 6803 ON MAR 1	250 000	1975
1976	...	186 A ON AUG 28	0 7758 ON MAR 1	312 000	1976
1977	...	116 ON MAY 7	1 05 B ON MAR 25	355 000	1977
1978	...	77 0 ON JUL 12	0 5678 ON MAR 22	297 000	1978
1979	...	223 ON JUL 3	0 8888 ON MAR 1	406 000	1979
1980	...	35 7 ON SEP 18	0 0918 ON MAR 2	211 000	1980
1981	...	36 0 ON JUL 23	0 846 ON SEP 17	131 000	1981
1982	...	151 ON AUG 5	0 2908 ON MAR 19	292 000	1982
1983	...	188 ON JUL 10	0 1628 ON MAR 1	302 000	1983
1984	...	218 ON JUN 8	0 7508 ON MAR 16	236 000	1984
1985	...	60 1 ON JUN 28	0 2908 ON MAR 1	232 000	1985
1986	...	145 ON JUL 19	0 3508 ON MAR 8	345 000	1986
				272 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)

B - ICE CONDITIONS

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

GALWEY BROOK NEAR WATERTON PARK - STATION NO. 05AD904

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1983	---	---	---	---	---	---	---	---	0.002	0.002	---	---	---	1983
1984	---	---	---	0.002	0.432	0.113	0.082	0.024	0.011	0.038	---	---	0.101	1984
1985	---	---	---	---	0.517	0.371	0.078	0.055	0.426	0.577	---	---	---	1985
1986	---	---	0.171	0.269	0.973	0.169	0.053	0.002	0.139	0.563	---	---	0.311	1986
MEAN	---	---	0.171	0.136	0.641	0.218	0.071	0.027	0.145	0.295	---	---	0.206	MEAN

LOCATION - LAT 49 08 25 N
LONG 113 51 00 W NATURAL FLOW

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

GALWEY BROOK NEAR WATERTON PARK - STATION NO. 05AD904

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1983	---	---	---	---	1983
1984	1.27 AT 17 50 MST ON MAY 16	1.11 ON MAY 17	0 ON APR 1 *	1 870	1984
1985	2.33 AT 19 20 MST ON SEP 12 *	1.53 ON SEP 13	---	---	1985
1986	---	1.87 ON MAY 21 *	0 ON AUG 17	5 780	1986
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		3 820	MEAN

GHOST RIVER ABOVE WAIPAROUS CREEK - STATION NO. 05BG010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1983	---	---	---	---	---	2.35	4.72	4.95	4.48	3.84	2.87	2.23	---	1983
1984	1.87	1.60	1.52	1.52	1.47	1.52	2.27	3.34	3.20	2.63	2.44	2.18	2.13	1984
1985	1.84	1.51	1.43	1.53	1.36	1.33	2.24	2.90	3.49	3.66	3.72	3.17	2.35	1985
1986	2.45	1.83	1.78	1.81	2.37	2.29	4.21	4.84	5.17	4.87	4.27	3.86	3.28	1986
MEAN	2.05	1.68	1.58	1.55	1.73	1.87	3.38	4.01	4.08	3.65	3.33	2.81	2.59	MEAN

LOCATION - LAT 51 16 15 N
LONG 114 55 18 W

DRAINAGE AREA. 486 km^2
REGULATED SINCE 1941

GHOST RIVER ABOVE WAIPAROUS CREEK - STATION NO. 05BG010

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1983	14.7 AT 11 23 MST ON JUL 3 *	10.8 ON JUL 3 *	---	---	1983
1984	3.93 AT 04 14 MST ON SEP 12	3.57 ON SEP 12	1.29 ON JUN 4	67 500	1984
1985	11.7 AT 23 58 MST ON SEP 12	8.57 ON SEP 13	1.19 ON MAY 21 *	74 200	1985
1986	9.17 AT 11 25 MST ON JUL 17	7.74 ON JUL 17	1.45 ON APR 28	104 000	1986
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		81 900	MEAN

GHOST RIVER DIVERSION CANAL NEAR BLACK ROCK MOUNTAIN - STATION NO. 05BG004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1947	---	---	---	---	---	---	---	---	3.48	---	---	---	---	1947
1949	---	---	---	---	2.36	3.29	2.24	1.29	1.55	1.21	0.881	0.872	---	1949
1950	0.602	0.556	0.519	0.487	1.81	8.45	5.43	2.88	1.30	0.992	0.572	0.581	2.01	1950
1951	0.545	0.482	0.435	0.412	3.96	1.55	2.13	3.55	4.84	2.39	1.42	0.885	1.81	1951
1952	0.677	0.597	0.718	0.882	3.57	3.80	6.02	3.77	1.88	1.33	0.894	0.625	2.08	1952
1953	0.582	0.566	0.495	0.486	2.16	0.186	1.68	2.30	1.50	1.07	0.846	0.892	1.05	1953
1954	0.702	0.592	0.573	0.484	3.10	3.48	2.90	4.14	2.83	2.08	1.36	0.857	1.83	1954
1955	---	---	---	0.276	1.58	3.70	4.93	1.87	1.40	1.15	1.02	---	---	1955
1956	---	---	---	0.579	4.20	4.36	5.27	2.44	1.77	1.13	0.832	0.708	---	1956
1957	---	---	0.508	0.557	5.38	5.43	2.69	1.93	1.84	1.86	1.24	---	---	1957
1958	---	---	---	0.542	6.25	6.48	6.85	2.37	2.28	1.88	0.927	---	---	1958
1959	---	---	---	0.593	2.45	5.75	4.16	2.48	2.19	1.83	1.12	---	---	1959
1960	---	---	---	0.550	3.05	6.19	3.84	2.52	1.40	1.20	0.841	---	---	1960
1961	---	---	---	0.452	1.82	2.43	3.09	2.88	1.86	1.87	1.40	---	---	1961
1962	---	---	---	0.681	1.53	5.69	4.12	2.21	1.85	1.18	0.858	---	---	1962
1963	---	---	---	0.478	2.62	6.46	7.25	3.11	2.70	1.55	1.00	---	---	1963
1964	---	---	---	0.527	1.87	1.82	5.25	1.54	1.85	1.83	0.977	---	---	1964
1965	---	---	---	0.567	2.05	2.84	0.851	4.30	4.07	2.50	1.42	---	---	1965
1966	---	---	---	0.584	3.12	2.14	4.84	2.56	1.84	1.33	---	---	---	1966
1967	---	---	---	0.497	2.39	0.181	2.76	2.07	1.21	0.828	0.758	---	---	1967
1968	---	---	---	0.456	2.29	5.82	4.45	2.86	1.98	1.75	1.01	---	---	1968
MEAN	0.622	0.559	0.541	0.531	2.82	4.12	4.03	2.84	2.16	1.52	1.02	0.714	1.80	MEAN

LOCATION - LAT 51 18 00 N
LONG 115 11 00 W REGULATED

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

GHOST RIVER DIVERSION CANAL NEAR BLACK ROCK MOUNTAIN - STATION NO 05BG004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1947	---	---	---	---	1947
1948	---	6 85 ON MAY 22	---	---	1948
1950	---	---	---	---	1950
1951	---	29 4 ON JUN 16 *	0 653 ON APR 15	63 500	1951
1952	---	10 7 ON MAY 23	0 142 ON JUN 29	60 100	1952
1953	---	9 66 ON MAY 16	0 1426 ON JUN 28	65 900	1953
1954	---	6 48 ON MAY 19	0 125 ON JUL 15 *	33 200	1954
		13 5 ON JUN 11	0 198E ON SEP 6	81 000	
1955	---	---	---	---	1955
1956	---	10 9 ON JUN 13	---	---	1956
1957	---	11 6 ON MAY 19	---	---	1957
1958	---	9 34 ON MAY 20	---	---	1958
1959	---	10 0 ON JUL 1	---	---	1959
		8 85 ON MAY 16	---	---	
1960	---	---	---	---	1960
1961	---	9 40 ON JUN 2	---	---	1961
1962	---	10 9 ON MAY 22	---	---	1962
1963	---	9 46 ON JUL 8	---	---	1963
1964	---	11 3 ON JUL 25	---	---	1964
		11 0 ON JUL 4	---	---	
1965	---	---	---	---	1965
1966	---	10 1 ON JUN 10	---	---	1966
1967	---	9 15 ON MAY 12	---	---	1967
1968	---	8 33 ON MAY 29	---	---	1968
		9 63 ON JUN 10	---	---	
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		56 700	MEAN

E - ESTIMATED

GHOST RIVER DIVERSION TO LAKE MINNEWANKA - STATION NO 05BG003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1941	---	---	---	---	---	---	---	2 43	0 716	0	0	0	---	1941
1942	0	0	0	0	2 61	5 55	3 00	0 553	1 58	0 311	0 089	0	1 14	1942
1943	0	0	0	0	1 14	4 43	6 19	0 805	0 955	0 710	0 342	0 023	1 22	1943
1944	0	0	0	0	2 22	4 50	1 73	2 87	1 32	0 982	0 600	0 313	1 21	1944
1945	0	0	0	0	3 21	7 74	3 16	1 70	1 16	1 52	0 191	0	1 56	1945
1946	0	0	0	0	2 47	4 13	2 40	2 14	2 70	1 26	0 900	0 126	1 35	1946
1947	0	0	0	0 274	2 96	5 23	2 70	2 56	2 42	1 08	0 471	0	1 48	1947
1948	0	0	0	0 021	1 60	1 82	1 28	0 753	1 05	1 02	0 896	0 089	0 699	1948
1950	0	0	0	0 056	1 02	7 99	3 21	1 58	1 13	0 820	0 149	0	1 33	1950
1951	0	0	0	0	2 71	7 10	6 99	2 78	4 37	1 04	0 554	0 048	2 14	1951
1952	0	0	0	0	1 75	7 70	4 28	2 31	1 00	0 633	0 309	0	1 50	1952
1953	0	0	0	0	1 93	10 8	4 64	1 58	1 15	0 808	0 476	0 082	1 79	1953
1954	0	0	0	0	2 38	8 53	5 70	5 80	2 51	1 54	0 775	0 070	2 29	1954
1955	0	0	0	0	0 797	6 34	3 94	1 31	1 09	0 846	0 218	0	1 21	1955
1956	0	0	0	0 046	4 03	4 98	4 19	1 96	1 22	0 659	0 370	0 016	1 46	1956
1957	0	0	0	0 037	4 66	4 58	1 85	1 22	1 13	1 13	0 624	0 188	1 31	1957
1958	0	0	0	0	5 02	5 28	5 61	1 57	1 52	0 848	0 284	0	1 69	1958
1959	0	0	0	0	1 48	5 63	3 13	1 66	1 62	1 25	0 340	0 074	1 27	1959
1960	0	0	0	0	1 09	4 32	2 46	1 75	0 850	0 986	0 159	0	0 945	1960
1961	0	0	0	0 001	3 89	3 84	2 28	1 89	1 02	1 28	0 672	0	1 27	1961
1962	0	0	0	0	1 26	4 43	3 23	1 58	1 18	0 621	0 348	0	1 06	1962
1963	0	0	0	0	1 56	6 75	5 55	2 11	1 83	0 989	0 388	0	1 60	1963
1964	0	0	0	0	1 03	9 65	4 21	0 872	1 09	0 929	0 412	0	1 51	1964
1965	0	0	0	0	1 23	10 3	4 61	3 84	3 17	1 87	0 982	0 197	2 21	1965
1966	0	0	0	0	2 84	3 55	4 14	1 94	1 20	0 971	0 314	0	1 26	1966
1967	0	0	0	0	3 19	8 25	2 60	1 38	0 810	0 512	0 350	0 015	1 43	1967
1968	0	0	0	0	1 48	5 61	3 60	2 25	1 50	1 43	0 490	0	1 38	1968
1969	0	0	0	0 138	4 20	7 45	6 41	1 55	0 679	0 374	0 151	0	1 76	1969
1970	0	0	0	0	1 63	8 30	2 49	0 993	0 715	0 537	0 276	0	1 25	1970
1971	0	0	0	0 001	2 94	6 92	2 27	0 746	0 816	0 823	0 289	0	1 24	1971
1972	0	0	0	0	3 05	8 92	4 95	2 27	1 97	1 41	0 610	0	1 93	1972
1973	0	0	0 008	0 088	4 14	7 61	3 50	1 82	2 19	1 01	0 245	0	1 73	1973
1974	0	0	0	0 002	1 34	11 0	4 20	2 74	2 10	1 05	0 530	0 051	1 92	1974
1975	0	0	0	0	0 463	3 56	2 70	1 98	1 13	0 801	0 414	0	0 826	1975
1976	0	0	0	0	2 58	3 45	2 97	1 84	1 28	1 09	0 485	0 027	1 16	1976
1977	0	0	0	0	2 04	3 37	1 79	2 85	1 82	1 23	0 387	0	1 14	1977
1978	---	---	---	---	1 85	6 47	3 81	2 29	1 50	0 970	---	---	---	1978
1979	0	0	0	0	1 32	3 46	1 62	1 01	0 782	0 401	0 161	0	0 729	1979
1980	0	0	0	0 186	2 64	6 08	1 46	1 31	1 21	0 835	0 526	0 011	1 18	1980
1981	0	0	0	0	5 01	4 90	6 81	2 84	1 07	0 562	0 444	0 036	1 92	1981
1982	0	0	0	0	0 781	5 40	2 51	1 12	1 05	1 11	0 514	0 012	1 16	1982
1983	0	0	0	0 104	2 97	4 27	4 04	1 44	0 984	0 663	0 365	0 045	1 25	1983
1984	0	0	0	0	0 828	4 70	1 72	1 14	0 944	1 31	0 332	0	0 859	1984
1985	0	0	0	0 036	1 71	2 78	1 40	3 27	3 34	1 25	0 245	0	1 17	1985
1986	0	0	0	0	3 43	5 09	3 19	2 07	0 650	0	0	0	1 26	1986
MEAN	0	0	0	0 023	2 35	6 00	3 54	1 93	1 46	0 920	0 385	0 033	1 39	MEAN

LOCATION - LAT 51 17 00 N
LONG 115 10 00 W REGULATED

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

GHOST RIVER DIVERSION TO LAKE MINNEWANKA - STATION NO 05BG003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1941	---	---	0 ON AUG 1 *	---	1941
1942	---	14.0 ON JUN 29	0 ON JAN 1	36 100	1942
1943	---	13.4 ON JUL 14	0 ON JAN 1	38 500	1943
1944	---	11.2 E ON MAY 28	0 ON JAN 1	38 400	1944
1945	---	22.7 ON MAY 30	0 ON JAN 1	49 200	1945
1946	---	20.4 ON MAY 28	0 ON JAN 1	42 500	1946
1947	---	13.8 ON JUN 9	0 ON JAN 1	46 700	1947
1948	---	5.72E ON MAY 21	0 ON JAN 1	22 000	1949
1950	---	26.0 E ON JUN 16	0 ON JAN 1	41 900	1950
1951	---	23.0 ON JUN 14	0 ON JAN 1	67 500	1951
1952	---	18.8 ON JUN 23	0 ON JAN 1	47 500	1952
1953	---	37.1 ON JUN 13	0 ON JAN 1	56 400	1953
1954	---	23.5 ON AUG 25	0 ON JAN 1	72 100	1954
1955	---	20.0 ON JUN 12	0 ON JAN 1	38 300	1955
1956	---	15.8 ON MAY 20	0 ON JAN 1	46 200	1956
1957	---	8.50 ON MAY 20	0 ON JAN 1	41 200	1957
1958	---	8.58 ON JUL 1	0 ON JAN 1	53 200	1958
1959	---	8.13 ON JUN 13	0 ON JAN 1	40 100	1959
1960	---	6.57 ON JUN 2	0 ON JAN 1	29 900	1960
1961	---	15.0 ON MAY 27	0 ON JAN 1	40 100	1961
1962	---	6.34 ON JUL 8	0 ON JAN 1	33 400	1962
1963	---	13.1 ON JUN 29	0 ON JAN 1	50 400	1963
1964	---	30.3 ON JUN 8	0 ON JAN 1	47 800	1964
1965	---	40.8 ON JUN 17	0 ON JAN 1	69 600	1965
1966	---	15.2 ON JUL 3	0 ON JAN 1	39 600	1966
1967	---	28.6 ON MAY 31	0 ON JAN 1	45 000	1967
1968	---	9.88 ON JUN 2	0 ON JAN 1	43 700	1968
1969	---	19.5 ON JUL 4	0 ON JAN 1	55 500	1969
1970	---	45.9 ON JUN 16 *	0 ON JAN 1	39 300	1970
1971	---	24.2 ON JUN 6	0 ON JAN 1	38 900	1971
1972	---	18.5 ON JUN 24	0 ON JAN 1	61 100	1972
1973	---	14.5 ON JUN 24	0 ON JAN 1	54 400	1973
1974	---	25.2 ON JUN 16	0 ON JAN 1	60 400	1974
1975	---	7.19 ON JUN 20	0 ON JAN 1	29 200	1975
1976	---	8.27 ON AUG 5	0 ON JAN 1	36 800	1976
1977	---	7.70 ON JUN 8	0 ON JAN 1	35 900	1977
1978	---	11.6 ON JUN 5	0 ON APR 25	---	1978
1979	---	8.18 ON MAY 27	0 ON JAN 1	23 000	1979
1980	---	11.1 ON JUN 10	0 ON JAN 1	37 500	1980
1981	---	27.2 ON MAY 26	0 ON JAN 1	60 400	1981
1982	---	10.1 ON JUN 16	0 ON JAN 1	36 500	1982
1983	---	14.5 ON JUL 3	0 ON JAN 1	39 400	1983
1984	---	8.72 ON MAY 30	0B ON JAN 1	28 500	1984
1985	---	6.77 ON SEP 13	0B ON JAN 1	37 000	1985
1986	---	19.6 ON MAY 27	0B ON JAN 1	39 800	1986
				44 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

GHOST RIVER NEAR BLACK ROCK MOUNTAIN - STATION NO 05BC002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1941	---	---	---	---	---	---	1.59	4.06	3.17	1.48	0.885	0.767	---	1941
1942	0.569	0.478	0.382	0.333	4.30	8.82	6.80	3.35	4.10	1.73	0.923	0.751	3.77	1942
1943	0.808	0.685	0.458	0.761	2.73	8.27	7.90	2.15	1.26	0.946	0.650	0.502	2.84	1943
1944	0.481	0.460	0.444	0.444	3.54	6.88	3.43	4.54	1.87	1.12	0.788	0.608	2.84	1944
1945	0.537	0.481	0.439	0.381	3.82	10.9	5.39	3.12	2.56	2.37	1.22	0.906	3.72	1945
1946	0.883	0.510	0.453	0.466	3.42	6.84	3.08	2.73	3.79	1.81	1.13	0.805	2.88	1946
1947	0.859	0.564	0.519	0.816	4.72	7.50	3.80	3.26	3.48	2.13	1.36	0.960	3.38	1947
1948	---	---	---	---	---	---	---	---	---	2.13	1.36	---	---	1948
1949	---	---	---	---	2.56	3.73	2.24	1.29	1.55	1.21	0.881	0.672	---	1949
1950	0.602	0.556	0.519	0.487	1.81	11.4	5.43	2.66	1.30	0.992	0.672	0.581	3.09	1950
1951	0.545	0.482	0.435	0.441	4.78	9.84	9.85	4.30	6.89	2.39	1.41	0.865	4.89	1951
1952	0.678	0.596	0.719	0.883	3.84	10.5	5.26	3.79	1.88	1.34	0.895	0.621	3.66	1952
1953	0.584	0.585	0.494	0.488	3.53	16.8	8.61	2.31	1.50	1.07	0.846	0.692	4.38	1953
1954	0.702	0.592	0.573	0.484	3.47	11.8	8.10	7.75	4.51	2.10	1.36	0.857	4.96	1954
1955	---	---	---	0.480	1.83	9.72	6.03	1.87	1.40	1.15	1.02	---	2.81	1955
1956	---	---	---	0.578	5.79	7.25	5.43	2.44	1.77	1.13	0.822	0.708	3.16	1956
1957	---	---	0.508	0.559	5.43	5.48	2.89	1.93	1.84	1.86	1.24	---	2.83	1957
1958	---	---	---	0.542	6.77	6.61	7.34	2.37	2.27	1.44	0.930	---	3.55	1958
1959	---	---	---	0.593	2.47	7.85	4.21	2.48	2.19	1.84	1.12	---	2.79	1959
1960	---	---	---	0.550	2.07	6.46	3.74	2.51	1.40	1.20	0.841	---	2.36	1960
1961	---	---	---	0.452	6.36	5.55	3.13	2.88	1.86	1.97	1.40	---	2.98	1961
1962	---	---	---	0.681	2.72	5.72	4.35	2.21	1.86	1.16	0.858	---	2.45	1962
1963	---	---	---	0.478	2.86	10.1	8.45	3.15	2.72	1.55	1.00	---	3.77	1963
1964	---	---	---	0.527	2.22	14.2	6.29	1.54	1.86	1.83	0.977	---	3.86	1964
1965	---	---	---	0.587	2.14	14.4	8.07	5.58	4.07	2.60	1.42	---	4.88	1965
1966	---	---	---	0.584	4.86	6.33	5.80	2.57	1.84	1.33	---	---	---	1966
1967	---	---	---	0.497	4.64	13.0	4.15	2.07	1.21	0.928	0.758	---	3.40	1967
1968	---	---	---	0.456	2.38	7.47	4.46	2.86	1.98	1.75	1.01	---	2.80	1968
1969	---	---	---	0.689	6.00	10.1	8.95	2.27	1.31	1.05	0.819	---	3.90	1969
1970	---	---	---	0.433	2.40	10.1	3.18	1.35	0.945	0.806	0.684	---	2.47	1970
1971	---	---	---	0.461	4.23	9.07	3.48	1.85	1.30	1.20	0.858	---	2.78	1971
1972	---	---	---	0.504	4.37	12.8	6.52	3.04	2.21	1.53	1.07	---	4.01	1972
1973	---	---	---	0.571	6.00	10.4	4.26	2.20	2.42	1.31	0.932	---	3.51	1973
1974	---	---	---	0.589	2.34	15.2	5.16	3.07	2.37	1.34	0.903	---	3.86	1974
1975	---	---	---	0.471	1.29	5.33	4.02	2.73	1.83	1.15	0.846	---	2.18	1975
1976	---	---	---	0.537	3.78	4.56	4.11	5.11	2.73	1.55	1.01	---	2.94	1976
1977	---	---	---	0.518	3.26	5.11	2.49	3.86	2.41	1.70	1.05	---	2.55	1977
1978	---	---	---	0.586	2.65	9.05	5.03	3.05	2.25	1.53	1.10	---	3.15	1978
1979	---	---	---	0.487	2.38	4.66	2.57	1.83	1.34	0.968	0.811	---	1.86	1979
1980	---	---	---	0.776	4.26	9.05	1.89	2.15	2.07	1.34	0.877	---	2.81	1980
1981	---	---	---	0.475	9.03	7.47	11.0	4.50	1.78	1.19	0.878	---	4.57	1981
1982	---	---	---	0.460	1.46	8.75	3.75	1.51	1.33	1.38	0.865	---	2.43	1982
1983	---	---	---	0.608	4.53	5.32	5.36	1.77	1.30	0.952	0.747	---	2.58	1983
1984	---	---	---	0.499	1.39	6.74	2.21	1.45	1.26	1.71	0.881	---	2.01	1984
1985	---	---	---	0.465	2.43	3.48	1.79	4.05	5.01	1.72	0.819	---	2.47	1985
1986	---	---	---	0.510	5.27	6.97	5.35	2.75	2.19	3.08	1.57	---	3.47	1986
MEAN	0.604	0.523	0.495	0.538	3.67	8.54	5.06	2.89	2.26	1.51	0.990	0.735	3.23	MEAN

LOCATION - LAT 51 18 00 N
LONG 115 11 00 W

DRAINAGE AREA 211 km²
NATURAL FLOW

DATA CONTRIBUTED BY :
TRANSALTA UTILITIES CORPORATION

GHOST RIVER NEAR BLACK ROCK MOUNTAIN - STATION NO 05BC001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1941					1941
1942	18 6 AT 21 00 MST ON JUN 28	15 7 ON JUN 29	0 314E ON APR 10	79 600	1942
1943	19 9 AT 01 30 MST ON JUL 14	14 8 ON JUL 14	0 453E ON APR 1	60 000	1943
1944	24 7 AT 21 30 MST ON MAY 28	13 8 ON MAY 28	0 280 ON MAY 8 *	60 000	1944
1945	37 7 AT 23 00 MST ON MAY 30	24 7 ON MAY 30	0 351A ON APR 30	78 400	1945
1946	43 3 AT 16 30 MST ON MAY 28	22 8 ON MAY 28	0 425E ON APR 1	60 800	1946
1947	20 4 AT 03 00 MST ON MAY 10	16 3 ON JUN 9	0 538E ON APR 1	71 300	1947
1948					1948
1949	11 0 AT 12 30 MST ON MAY 21	7 79 ON MAY 21			1949
1950		38 4 E ON JUN 16	0 453 ON APR 16	65 200	1950
1951	43 5 ON JUN 14	27 5 ON JUN 14	0 360 ON APR 20	105 000	1951
1952		24 7 ON JUN 23	0 765 ON NOV 30	77 300	1952
1953	126 ON JUN 13 *	57 5 ON JUN 13 *	0 453 ON APR 1	82 500	1953
1954	38 1 AT 16 30 MST ON AUG 25	30 0 ON AUG 25	0 425 ON APR 30	105 000	1954
1955	48 4 AT 22 30 MST ON JUN 11	27 2 ON JUN 12	0 430 ON APR 27	61 400	1955
1956	36 8E AT 21 00 MST ON MAY 20	20 1 E ON MAY 20	0 462 ON APR 3	66 600	1956
1957	11 8 AT 03 00 MST ON MAY 20	9 53 ON JUN 8	0 456 ON APR 1	55 600	1957
1958	13 6 AT 20 85 MST ON MAY 20	11 7 ON JUL 1	0 490 ON APR 6	74 700	1958
1959	14 6 AT 22 00 MST ON JUN 12	11 6 ON JUN 13	0 528 ON APR 1	58 900	1959
1960	14 4 AT 23 30 MST ON JUN 2	10 9 ON JUN 2	0 507 ON APR 1	49 600	1960
1961	31 1 AT 22 00 MST ON MAY 23	20 6 ON MAY 27	0 394 ON APR 26	62 600	1961
1962	14 7 AT 23 00 MST ON JUL 7	10 5 ON JUL 8	0 493 ON APR 9	57 800	1962
1963	35 4 AT 20 00 MST ON JUN 29	18 5 ON JUN 30	0 413 ON APR 10	79 500	1963
1964	47 6 AT 11 00 MST ON JUN 8	36 2 ON JUN 8	0 507 ON APR 13	77 000	1964
1965		46 2 ON JUN 17	0 453E ON APR 1	105 000	1965
1966	26 3 AT 11 00 MST ON JUL 3	21 9 ON JUL 3			1966
1967	88 7 AT 24 00 MST ON MAY 30	34 8 ON MAY 31	0 481E ON APR 1	71 600	1967
1968	23 5 AT 20 30 MST ON JUN 2	13 0 ON JUN 2	0 425 ON APR 23	59 000	1968
1969	28 2 AT 22 00 MST ON JUL 4	25 0 ON JUL 4	0 456 ON APR 1	82 400	1969
1970	65 7 AT 11 00 MST ON JUN 16	47 6 ON JUN 16	0 422 ON APR 5	52 200	1970
1971		30 0 ON JUN 6	0 377 ON APR 1	58 700	1971
1972		24 9 ON JUN 24	0 453 ON APR 25	54 500	1972
1973		20 2 ON JUN 24	0 538 ON APR 1	74 100	1973
1974		32 6 ON JUN 16	0 486 ON APR 1	61 300	1974
1975		10 7 ON JUN 22	0 453E ON APR 1	46 100	1975
1976		13 5 ON AUG 5	0 467 ON APR 2	61 600	1976
1977	19 7 AT 23 10 MST ON JUN 1	12 5 ON JUN 5	0 510 ON APR 1	53 700	1977
1978	25 3 AT 23 15 MST ON JUN 5	17 2 ON JUN 5	0 481 ON APR 1	66 500	1978
1979		12 0 ON MAY 27	0 453 ON APR 1	38 700	1979
1980		16 3 ON JUN 10	0 396 ON APR 1	59 200	1980
1981		35 0 ON MAY 26	0 453 ON APR 5	95 400	1981
1982		14 9 ON JUN 16	0 425 ON APR 1	51 300	1982
1983		20 6 ON JUL 3	0 425 ON APR 1	54 500	1983
1984		13 8 ON MAY 30	0 425 ON APR 1	42 500	1984
1985		19 6 ON SEP 13	0 396 ON APR 1	92 100	1985
1986		26 3 ON MAY 27	0 481 ON MAY 3	73 200	1986
				66 100	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

GHOST RIVER NEAR COCHRANE - STATION NO. 05BC001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	...	...	...	...	...	...	...	...	14.3	8.24	...	...	...	1911
1912	3.61	2.62	3.26	3.87	10.1	8.49	30.4	18.5	15.4	11.2	7.88	5.94	10.1	1912
1913	4.18	3.74	3.07	6.00	8.84	10.5	15.7	12.1	9.99	8.19	6.52	5.36	7.88	1913
1914	3.82	3.02	3.19	4.05	4.80	7.58	7.87	6.89	5.84	6.44	5.49	3.20	5.18	1914
1915	3.04	2.88	2.70	3.83	9.46	35.8	61.2	27.9	16.3	11.8	8.89	6.90	14.4	1915
1916	3.58	3.10	4.03	9.83	9.26	41.5	25.4	21.5	21.5	16.0	9.24	6.15	14.2	1916
1917	4.47	3.28	2.50	4.61	27.5	80.1	20.8	7.03	8.42	5.84	5.27	3.79	12.5	1917
1918	3.18	2.57	2.84	4.21	5.58	9.51	6.97	8.35	7.80	5.46	4.74	3.87	5.43	1918
1919	2.91	1.77	2.08	8.49	5.42	3.33	3.74	11.5	6.05	5.38	4.53	2.24	4.80	1919
1920	2.10	1.77	1.44	3.84	17.7	7.80	21.5	10.4	6.60	...	...	...	...	1920
1928	...	...	...	...	...	...	...	...	...	...	...	5.07	...	1928
1929	3.22	2.09	2.58	5.30	11.5	35.0	9.18	6.91	6.04	5.36	3.84	2.82	7.75	1929
1930	2.52	2.66	2.18	5.28	8.58	14.6	11.4	8.08	7.00	5.80	4.41	3.54	6.41	1930
1931	2.88	3.47	2.55	3.75	4.52	5.32	5.72	6.03	5.64	4.92	3.85	3.28	4.35	1931
1932	3.08	2.75	3.03	3.47	8.38	32.6	10.4	8.88	8.15	6.88	5.48	4.07	8.08	1932
1933	2.87	2.46	3.24	6.79	10.6	9.69	7.60	7.10	6.35	5.48	5.17	3.30	5.91	1933
1934	2.54	2.49	2.68	2.95	4.14	5.11	5.25	4.89	4.81	3.78	3.38	2.82	3.73	1934
1935	2.24	2.41	2.44	2.49	3.80	5.14	5.27	6.74	6.05	4.58	3.81	3.31	4.00	1935
1936	2.71	2.28	2.52	3.63	3.90	5.43	3.88	4.70	4.31	3.21	3.06	2.80	3.52	1936
1937	1.85	1.80	1.81	2.08	3.31	7.70	7.18	6.23	5.74	4.68	3.43	4.40	4.40	1937
1938	2.68	1.89	1.78	2.81	6.32	7.21	14.1	8.32	6.13	5.17	4.22	3.93	5.42	1938
1939	3.08	2.09	4.12	3.42	2.58	14.7	10.0	6.85	6.20	5.38	4.30	3.36	5.52	1939
1940	2.82	2.14	2.43	4.75	5.28	4.55	6.21	5.16	4.48	5.03	4.34	3.77	4.24	1940
1941	3.12	2.93	2.17	2.45	3.62	5.11	3.98	6.42	5.97	6.14	5.32	4.27	4.30	1941
1942	4.08	3.47	2.98	2.90	7.51	10.2	12.3	12.3	12.0	8.74	6.41	5.13	7.36	1942
1943	3.99	3.20	6.93	8.71	6.48	8.57	9.86	7.82	6.70	5.76	4.53	3.49	6.45	1943
1944	2.92	2.22	2.23	3.08	3.78	6.86	8.27	8.87	6.07	5.56	4.34	2.98	4.66	1944
1945	2.78	1.85	2.52	3.14	10.4	12.4	9.91	8.43	7.90	7.83	5.72	4.84	6.47	1945
1946	3.86	3.65	3.41	5.30	4.89	9.08	8.26	8.14	8.98	7.17	6.07	5.30	6.18	1946
1947	4.01	2.04	4.06	8.04	11.4	17.9	11.0	11.5	8.81	8.37	6.52	5.92	8.40	1947
1948	5.55	3.74	2.88	8.81	25.5	20.5	16.5	16.2	8.83	6.66	5.12	4.04	10.4	1948
1949	2.83	1.93	2.16	5.19	4.04	4.80	4.66	4.25	4.34	4.21	3.12	2.88	3.67	1949
1950	1.48	0.977	1.24	3.98	5.60	7.38	7.45	8.16	6.38	5.15	3.40	2.25	4.47	1950
1951	1.92	1.98	2.12	3.14	9.76	18.0	16.6	14.8	23.4	13.4	9.13	6.80	10.1	1951
1952	5.11	4.42	3.49	16.5	7.99	29.0	16.9	12.7	8.17	7.88	6.10	4.10	10.2	1952
1953	3.07	2.01	2.76	4.88	13.2	20.3	15.4	10.8	7.98	6.41	4.98	3.85	6.72	1953
1954	2.55	1.94	2.68	3.97	10.9	16.0	11.1	21.2	15.0	11.9	8.32	5.81	9.28	1954
1955	3.47	3.11	2.95	4.78	9.53	8.82	12.9	8.80	6.38	5.22	3.88	3.12	5.09	1955
1956	2.40	2.57	2.36	4.09	6.08	5.87	8.48	7.43	6.41	6.88	3.73	3.08	4.80	1956
1957	2.52	2.25	2.22	4.35	7.07	7.29	5.18	6.43	6.08	5.84	4.61	3.50	4.88	1957
1958	3.22	2.44	2.31	4.58	7.92	9.67	17.2	8.05	6.29	5.88	4.74	3.90	6.84	1958
1959	2.28	2.10	2.73	3.95	6.00	10.3	9.57	8.74	8.02	7.26	5.96	4.26	5.95	1959
1960	3.88	2.88	5.50	4.70	5.94	5.80	5.57	6.83	5.17	4.98	3.61	2.74	4.73	1960
1961	2.46	1.82	1.43	2.64	8.88	5.42	7.11	7.23	6.42	5.51	4.52	3.59	4.84	1961
1962	3.10	2.37	2.34	6.10	6.07	5.87	7.25	6.43	6.16	4.86	3.95	3.03	4.81	1962
1963	2.68	2.40	2.36	3.32	3.29	7.70	8.97	7.84	6.83	5.47	4.84	4.26	4.77	1963
1964	2.77	2.64	2.35	3.17	6.86	11.4	9.55	6.83	6.33	5.46	4.13	1.31	5.24	1964
1965	1.06	2.30	2.15	3.49	4.27	15.9	20.9	16.1	13.5	10.3	6.88	5.32	8.56	1965
1966	4.14	3.27	4.24	3.81	7.37	8.86	10.4	10.0	6.83	5.06	4.91	3.58	6.13	1966
1967	3.13	2.84	2.93	3.40	15.3	20.5	10.5	8.28	6.01	4.55	3.58	3.06	7.03	1967
1968	2.32	2.21	2.97	2.81	3.88	6.48	6.45	7.94	6.83	5.47	4.84	4.26	4.77	1968
1969	2.83	2.08	2.10	5.86	9.86	14.2	23.1	10.1	7.45	6.10	4.73	3.40	7.73	1969
1970	2.08	1.86	1.75	5.34	6.42	11.9	7.99	5.75	5.26	4.41	3.51	2.53	4.88	1970
1971	2.09	2.02	1.89	3.17	3.89	8.02	5.51	5.86	5.16	4.59	3.63	2.52	4.00	1971
1972	2.30	1.84	2.51	3.78	6.43	11.1	11.4	8.60	7.57	6.25	4.80	3.74	5.88	1972
1973	3.31	3.06	2.75	4.16	12.1	12.5	8.35	7.57	6.39	5.08	4.15	3.47	6.09	1973
1974	2.84	2.80	2.30	5.09	11.2	12.7	7.51	6.18	6.74	5.80	4.87	3.80	6.16	1974
1975	2.88	2.26	2.17	3.33	4.86	4.38	5.02	5.67	4.99	4.55	3.80	3.18	3.92	1975
1976	2.52	2.26	2.19	3.41	4.06	3.83	4.55	6.48	6.75	5.61	4.60	4.24	4.39	1976
1977	3.27	2.65	2.30	2.78	4.52	4.05	4.16	5.73	5.83	5.12	4.30	3.29	3.99	1977
1978	2.55	2.38	2.83	5.75	6.29	7.87	8.57	8.47	7.62	6.08	5.11	4.07	5.83	1978
1979	2.23	2.08	2.90	3.82	5.86	4.68	4.62	5.56	4.56	3.74	2.84	2.53	3.80	1979
1980	2.00	2.03	2.01	4.28	3.93	9.69	5.35	6.89	5.96	4.88	4.04	3.36	4.58	1980
1981	2.83	2.15	2.27	2.43	14.3	11.9	15.6	14.4	8.63	6.51	4.86	3.25	7.44	1981
1982	2.46	1.91	1.89	3.28	4.75	7.11	7.01	6.21	6.30	5.39	3.54	3.07	4.10	1982
1983	2.47	2.28	2.13	4.72	...	...	...	...	...	...	...	...	...	1983
MEAN	2.84	2.47	2.66	4.55	7.85	12.4	10.8	9.22	7.68	6.38	4.89	3.79	6.31	MEAN

LOCATION - LAT. 51 15 40 N
LONG 114 45 50 W

DRAINAGE AREA - 911 km²
REGULATED

GHOST RIVER NEAR COCHRANE - STATION NO. 05BG001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	---	---	1911
1912	---	48.1 ON JUL 8	2.14 ON APR 22	320 000	1912
1913	---	34.8 E ON JUN 27	2.49 B ON MAR 31	249 000	1913
1914	---	9.85 ON JUN 13	2.58 B ON FEB 5	183 000	1914
1915	---	239 ON JUN 26	2.55 B ON FEB 27	453 000	1915
1916	---	106 ON JUN 20	2.83 B ON FEB 3	450 000	1916
1917	---	110 ON JUN 1	2.41 B ON FEB 21	406 000	1917
1918	---	15.4 A ON JUN 8	1.84 B ON MAR 5	171 000	1918
1919	---	70.8 E ON AUG 5	1.22 B ON FEB 28	161 000	1919
1920	---	49.8 A ON MAY 8	1.02 B ON APR 4	---	1920
1928	---	---	---	---	1928
1929	374 AT 01:00 MST ON JUN 2	227 ON JUN 3	1.98 B ON FEB 19	244 000	1929
1930	51.5 AT 12:00 MST ON JUN 20	18.4 ON JUN 20	1.93 B ON MAR 14	202 000	1930
1931	14.5 AT 21:30 MST ON JUN 17	10.6 ON JUN 19	2.27 B ON MAR 11	137 000	1931
1932	394 AT 14:30 MST ON JUN 2 *	289 ON JUN 2 *	2.46 B ON FEB 1	255 000	1932
1933	34.5 AT 08:00 MST ON JUN 16	15.1 ON JUN 16	1.78 B ON DEC 26	186 000	1933
1934	8.89 AT 05:00 MST ON JUN 9	7.93 ON JUN 9	2.27 B ON FEB 25	117 000	1934
1935	24.5 AT 10:00 MST ON JUN 29	9.51 ON JUN 30	1.84 B ON JAN 19	126 000	1935
1936	13.8 AT 13:00 MST ON JUN 15	8.69 ON JUN 10	2.18 B ON FEB 19	111 000	1936
1937	38.5 AT 23:00 MST ON JUN 14	15.9 ON JUN 15	1.80 B ON FEB 7	139 000	1937
1938	51.5 AT 24:00 MST ON JUL 2	32.6 ON JUL 3	1.89 B ON FEB 18	171 000	1938
1939	50.4 AT 01:00 MST ON JUN 17	33.4 ON JUN 30	1.47 B ON MAR 16	174 000	1939
1940	12.5 AT 11:00 MST ON JUL 27	11.8 ON JUL 27	2.01 B ON FEB 26	134 000	1940
1941	41.3 AT 10:45 MST ON AUG 25	23.8 ON AUG 25	1.78 B ON MAR 20	136 000	1941
1942	32.8 AT 13:00 MST ON JUL 30	28.9 ON JUL 30	2.78 E ON APR 5	232 000	1942
1943	---	18.7 B ON MAR 26	2.78 B ON FEB 9	203 000	1943
1944	12.8 AT 19:00 MST ON JUL 31	12.4 ON JUL 31	1.95 B ON FEB 10	147 000	1944
1945	22.7 AT 04:00 MST ON MAY 26	18.5 ON MAY 26	1.44 B ON FEB 25	204 000	1945
1946	17.5 AT 22:00 MST ON MAY 28	15.7 ON JUN 7	3.06 A ON MAR 10	185 000	1946
1947	---	38.4 A ON JUN 9	1.84 B ON FEB 16	285 000	1947
1948	92.6 AT 14:00 MST ON MAY 23	66.0 ON MAY 23	2.35 B ON MAR 25	328 000	1948
1949	10.3 AT 08:00 MST ON JUN 2	7.87 ON JUN 2	1.44 B ON JAN 21	116 000	1949
1950	46.2 AT 11:00 MST ON JUN 15	25.8 ON JUN 15	0.8508 ON JAN 19	141 000	1950
1951	84.3 AT 23:00 MST ON AUG 30	52.4 ON AUG 31	1.78 B ON JAN 18	319 000	1951
1952	140 AT 11:00 MST ON JUN 23	118 ON JUN 23	3.03 B ON MAR 9	324 000	1952
1953	98.0 AT 05:00 MST ON JUN 13	62.9 ON JUN 13	1.27 B ON FEB 17	275 000	1953
1954	---	122 E ON AUG 25	0.8218 ON FEB 25	283 000	1954
1955	30.0 AT 23:00 MST ON MAY 25	21.5 ON MAY 26	2.44 B ON MAR 23	192 000	1955
1956	16.8 AT 23:00 MST ON JUN 17	12.7 ON JUN 17	2.04 B ON MAR 10	152 000	1956
1957	25.9 AT 01:00 MST ON APR 30	16.6 ON APR 30	1.88 B ON MAR 13	153 000	1957
1958	40.8 AT 13:00 MST ON JUL 6	34.3 ON JUL 6	2.12 B ON MAR 22	210 000	1958
1959	52.4 AT 19:00 MST ON JUN 27	42.5 ON JUN 27	1.19 B ON FEB 16	188 000	1959
1960	13.1 AT 06:00 MST ON AUG 7	11.0 ON AUG 7	2.55 B ON DEC 19	149 000	1960
1961	23.9 AT 23:30 MST ON MAY 23	18.2 ON JUL 29	0.7658 ON MAR 14	153 000	1961
1962	14.8 AT 03:00 MST ON MAY 21	12.9 ON MAY 21	2.01 B ON MAR 5	152 000	1962
1963	32.3 AT 04:00 MST ON JUN 30	26.2 ON JUN 30	2.24 B ON FEB 25	159 000	1963
1964	37.9 AT 21:15 MST ON JUL 3	22.9 ON JUN 18	0.8998 ON DEC 18 *	186 000	1964
1965	76.5 AT 01:00 MST ON JUN 18	48.4 ON JUN 18	0.9038 ON JAN 18	270 000	1965
1966	31.7 AT 14:00 MST ON JUL 3	26.5 ON JUL 3	2.58 B ON MAR 3	183 000	1966
1967	190 AT 02:00 MST ON MAY 31	112 ON MAY 30	2.72 B ON DEC 31	222 000	1967
1968	13.1 AT 03:00 MST ON JUN 10	11.3 ON JUN 8	1.93 B ON JAN 31	181 000	1968
1969	---	55.2 ON JUN 29	1.99 B ON MAR 12	244 000	1969
1970	92.0 AT 07:11 MST ON JUN 14	62.9 ON JUN 15	1.30 B ON FEB 25	154 000	1970
1971	43.3 AT 07:30 MST ON JUN 6	35.1 ON JUN 6	1.81 B ON MAR 23	126 000	1971
1972	51.0 AT 09:30 MST ON JUN 24	37.4 ON JUN 24	1.81 B ON MAR 4	186 000	1972
1973	55.5 AT 09:00 MST ON MAY 26	43.6 ON MAY 25	2.46 B ON FEB 28	182 000	1973
1974	28.1 AT 23:00 MST ON JUN 18	22.8 ON JUN 16	2.12 B ON MAR 23	184 000	1974
1975	13.1 AT 12:30 MST ON JUL 30	10.0 ON JUL 30	2.03 B ON FEB 3	124 000	1975
1976	22.0 AT 13:00 MST ON AUG 5	18.0 ON AUG 5	1.83 B ON MAR 3	138 000	1976
1977	9.97 AT 12:00 MST ON MAY 24	8.86 ON MAY 24	2.04 ON MAR 24	128 000	1977
1978	36.2 AT 21:00 MST ON APR 28	20.6 ON APR 28	1.85 B ON MAR 1	178 000	1978
1979	11.7 AT 01:00 MST ON MAY 27	9.25 ON MAY 24	1.70 B ON JAN 15	120 000	1979
1980	19.7 AT 03:00 MST ON JUN 10	16.3 ON JUN 4	1.70 B ON JAN 10	145 000	1980
1981	55.3 AT 15:00 MST ON JUL 30	42.0 ON MAY 24	1.89 B ON JAN 27	235 000	1981
1982	12.2 AT 00:39 MST ON JUN 23	10.4 ON JUN 28	1.84 B ON MAR 7	128 000	1982
1983	---	---	---	---	1983
				189 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

GHOST RIVER OVERFLOW NEAR BLACK ROCK MOUNTAIN - STATION NO 05BG005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1949	---	---	---	0	0.187	0.430	0	0	0	0	0	0	---	1949
1950	0	0	0	0	0	2.93	0	0	0	0	0	0	0.241	1950
1951	0	0	0	0.028	0.820	8.19	7.72	0.749	1.85	0	0	0	1.82	1951
1952	0	0	0	0	0.067	6.68	0.242	0.018	0	0	0	0	0.575	1952
1953	0	0	0	0	1.37	16.6	5.93	0.013	0.006	0	0	0	2.07	1953
1954	0	0	0	0	0.365	8.37	5.10	3.81	1.88	0.014	0	0	1.80	1954
1955	0	0	0	0.204	0.055	6.01	1.10	0	0	0	0	0	0.809	1955
1956	0	0	0	0	1.58	2.89	0.159	0	0	0	0	0	0.385	1956
1957	0	0	0	0.002	0.041	0.044	0	0	0	0	0	0	0.007	1957
1958	0	0	0	0	0.510	0.125	0.486	0	0.008	0	0.003	0	0.095	1958
1959	0	0	0	0	0.026	0.895	0.041	0	0	0.011	0	0	0.080	1959
1960	0	0	0	0	0.015	0.278	0.101	0.084	0	0	0	0	0.040	1960
1961	0	0	0	0	4.73	3.52	0.042	0	0	0	0	0	0.894	1961
1962	0	0	0	0	1.18	0.028	0.228	0	0	0	0	0	0.122	1962
1963	0	0	0	0	0.042	3.67	1.20	0.044	0.018	0	0	0	0.413	1963
1964	0	0	0	0	0.365	12.3	1.04	0	0	0	0	0	1.13	1964
1965	0	0	0	0	0.076	11.5	8.22	1.28	0	0	0	0	1.78	1965
1966	0	0	0	0	1.74	4.18	0.982	0.012	0	0	0	0	0.575	1966
1967	0	0	0	0	2.25	12.8	1.38	0	0	0	0	0	1.36	1967
1968	0	0	0	0	0.081	0.599	0	0	0	0	0	0	0.057	1968
MEAN	0	0	0	0.012	0.776	5.10	1.75	0.291	0.183	0.001	0	0	0.707	MEAN

LOCATION - LAT 51 18 00 N
LONG 115 11 00 W REGULATED

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

GHOST RIVER OVERFLOW NEAR BLACK ROCK MOUNTAIN - STATION NO 05BG005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1949	---	5.82 ON JUN 2	0 ON APR 1 *	---	1949
1950	---	25.5 E ON JUN 15	0 ON JAN 1	7 590	1950
1951	---	27.5 ON JUN 14	0 ON JAN 1	51 200	1951
1952	---	24.4 ON JUN 23	0 ON JAN 1	18 200	1952
1953	---	57.2 ON JUN 13 *	0 ON JAN 1	65 300	1953
1954	---	20.2 ON JUN 28	0 ON JAN 1	50 400	1954
1955	---	16.5 ON JUN 12	0 ON JAN 1	19 200	1955
1956	---	19.6 ON JUN 5	0 ON JAN 1	12 200	1956
1957	---	0.398E ON JUN 9	0 ON JAN 1	230	1957
1958	---	2.04 ON MAY 21	0 ON JAN 1	3 040	1958
1959	---	4.08 E ON JUN 13	0 ON JAN 1	2 530	1959
1960	---	1.73 ON JUN 3	0 ON JAN 1	1 280	1960
1961	---	20.4 ON MAY 27	0 ON JAN 1	21 900	1961
1962	---	7.84 ON MAY 28	0 ON JAN 1	3 880	1962
1963	---	15.1 ON JUN 12	0 ON JAN 1	13 000	1963
1964	---	36.0 ON JUN 8	0 ON JAN 1	35 600	1964
1965	---	45.8 ON JUN 17	0 ON JAN 1	55 500	1965
1966	---	14.1 ON JUL 3	0 ON JAN 1	18 200	1966
1967	---	34.3 ON MAY 31	0 ON JAN 1	42 900	1967
1968	---	3.94 ON JUN 2	0 ON JAN 1	1 790	1968
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		32 300	MEAN

GHOSTPINE CREEK NEAR HUXLEY - STATION NO 05CE012

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	0	0.895	1.25	0.447	0.100	0.005	0	0.010	0.000	---	---	1967
1968	---	---	0.187	0.067	0.033	---	---	0.113	0.067	0.029	---	---	---	1968
1969	---	---	0	3.89	0.581	0.118	0.159	0.077	0.147	0.207	---	---	---	1969
MEAN	---	---	0.055	1.62	0.621	0.283	0.130	0.065	0.071	0.082	0.000	---	---	MEAN

LOCATION - LAT 51 53 40 N DRAINAGE AREA 518 km^2
LONG 113 14 20 W NATURAL FLOW

GHOSTPINE CREEK NEAR HUXLEY - STATION NO 05CE012

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	2.77 B ON APR 21	0B ON MAR 1 *	---	1967
1968	---	0.895 ON AUG 5	0A ON JUL 18	---	1968
1969	31.48 AT 18 20 MST ON APR 6 *	16.3 B ON APR 5 *	0B ON FEB 27	---	1969
	A - MANUAL GAUGE (SEE REFERENCE INDEX)	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD	---	MEAN

GOAT CREEK AT BANFF PARK BOUNDARY - STATION NO. 05BC008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	0.619	0.310	0.180	0.175	0.323	0.978	1.14	2.29	0.778	0.330	0.409	0.385	0.656	1976
1977	0.327	0.301	0.304	0.353	0.487	1.15	2.19	2.19	0.719	0.389	0.310	0.273	0.754	1977
1978	0.228	0.236	0.230	0.292	0.368	0.589	0.827	1.37	0.884	0.441	0.386	0.278	0.469	1978
1979	0.285	0.307	0.345	0.357	0.377	0.430	0.813	1.50	2.51	0.729	0.364	0.387	0.701	1979
1980	0.381	0.422	0.400	0.505	0.621	1.10	0.795	0.504	0.504	0.423	0.385	0.339	0.529	1980
1981	0.411	0.391	0.420	0.454	0.671	0.744	0.841	0.778	0.523	0.571	0.357	0.390	0.547	1981
1982	0.437	0.415	0.464	0.462	0.523	0.938	1.38	2.08	0.782	0.640	0.529	0.455	0.782	1982
1983	0.386	0.381	0.414	0.462	0.537	0.583	0.506	1.04	3.55	0.792	0.692	0.589	0.824	1983
1984	0.464	0.467	1.02	0.934	0.616	0.757	0.686	0.627	0.636	0.555	0.540	0.447	0.641	1984
1985	0.431	0.411	0.412	1.05	1.18	1.29	1.32	1.30	1.26	1.26	1.31	1.11	1.03	1985
1986	1.21	1.18	1.29	1.47	1.74	1.73	1.68	1.46	1.48	1.31	1.23	1.43	1986
MEAN	0.472	0.433	0.491	0.576	0.662	0.936	1.09	1.40	1.21	0.692	0.586	0.534	0.756	MEAN

LOCATION - LAT 51 03 30 N
LONG 115 25 50 W
DRAINAGE AREA, 40.9 km²
REGULATED SINCE 1951
DATA CONTRIBUTED BY - TRANSALTA UTILITIES CORPORATION

GOAT CREEK AT BANFF PARK BOUNDARY - STATION NO. 05BC008

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1976	---	3.26 ON AUG 22	0.031 ON FEB 17 *	20 850	1976
1977	6.11 AT 21:00 MST ON AUG 8	3.95 ON AUG 7	0.1988 ON DEC 31	23 800	1977
1978	---	1.50 ON AUG 20	0.1428 ON FEB 13	14 800	1978
1979	---	3.34 ON SEP 9	0.1708 ON JAN 3	22 100	1979
1980	---	1.59 ON JUN 19	0.2278 ON DEC 4	16 700	1980
1981	---	1.86 ON OCT 28	0.320 ON NOV 10	17 300	1981
1982	---	3.82 ON AUG 22	0.2838 ON FEB 3	24 000	1982
1983	6.50 ON SEP 23 *	4.03 ON SEP 18 *	0.321 ON FEB 3	26 000	1983
1984	2.04 AT 14:00 MST ON APR 15	1.36 ON APR 15	0.2838 ON JAN 17	20 300	1984
1985	---	1.83 ON AUG 15	0.1708 ON JAN 30	32 500	1985
1986	---	2.27 ON MAY 31	1.08 B ON FEB 18	44 900	1986
				23 800	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

GOLD CREEK NEAR FRANK - STATION NO. 05AA030

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	---	---	---	0.519	---	---	---	1975
1976	---	---	---	---	1.21	0.759	0.583	2.08	0.707	0.559	---	---	---	1976
1977	---	---	---	---	0.493	0.353	0.294	0.298	0.358	0.369	---	---	---	1977
1978	---	---	---	0.424	1.64	1.58	1.05	0.869	0.534	0.445	---	---	---	1978
1979	---	---	---	---	1.50	0.996	0.569	0.435	0.402	0.361	---	---	---	1979
1980	---	---	---	---	0.741	0.798	0.493	0.389	0.378	0.370	---	---	---	1980
1981	---	---	---	---	2.84	2.05	0.996	0.687	0.521	0.465	---	---	---	1981
1982	---	---	---	0.380	1.08	1.06	0.626	0.426	0.400	0.414	---	---	---	1982
1983	---	---	0.277	0.400	0.879	0.892	0.520	0.368	0.318	0.312	0.278	---	0.472	1983
1984	---	---	---	0.290	0.533	0.891	0.434	0.330	0.311	0.332	0.286	---	0.400	1984
1985	---	---	---	0.369	0.596	0.446	0.293	0.267	0.441	0.524	0.504	---	0.428	1985
1986	---	---	---	0.868	1.58	1.18	0.676	0.488	0.525	0.573	0.520	---	0.815	1986
MEAN	---	---	0.277	0.455	1.19	0.984	0.594	0.585	0.445	0.445	0.397	---	0.529	MEAN

LOCATION - LAT 49 36 08 N
LONG 114 24 00 W
DRAINAGE AREA, 82.9 km²
NATURAL FLOW

GOLD CREEK NEAR FRANK - STATION NO. 05AA030

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1975	---	---	---	---	1975
1976	12.4 AT 18:40 MST ON AUG 5 *	7.16 ON AUG 5 *	---	---	1976
1977	0.521 AT 19:00 MST ON MAY 10	0.496 ON MAY 11	---	---	1977
1978	3.20 AT 03:00 MST ON JUN 6	3.03 ON MAY 22	0.314 ON APR 3	---	1978
1979	3.15 AT 01:30 MST ON MAY 25	2.99 ON MAY 25	---	---	1979
1980	3.66 AT 11:00 MST ON APR 29	1.33 ON APR 30	---	---	1980
1981	7.27 AT 19:10 MST ON MAY 22	6.56 ON MAY 23	---	---	1981
1982	1.76 AT 02:26 MST ON MAY 26	1.73 ON MAY 26	---	---	1982
1983	1.43 AT 11:55 MST ON MAY 26	1.41 ON MAY 26	0.2178 ON NOV 29 *	9 540	1983
1984	0.935 AT 08:02 MST ON MAY 16	0.862 ON MAY 16	0.2238 ON OCT 31	8 420	1984
1985	0.959 AT 21:15 MST ON SEP 12	0.805 ON SEP 13	0.233 ON AUG 6	9 040	1985
1986	3.21 AT 04:15 MST ON MAY 22	2.95 ON MAY 22	0.4368 ON NOV 17	17 200	1986
				11 200	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

CRABURN CREEK NEAR THE MOUTH - STATION NO 11AB111

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1987	---	---	---	---	---	0.203	0.017	---	---	---	---	---	---	1987
MEAN	---	---	---	---	---	0.203	0.017	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 38 40 N LONG 110 01 40 W
DRAINAGE AREA 42.0 km²
NATURAL FLOW

GRANDE PRAIRIE CREEK NEAR SEXSMITH - STATION NO 07GE003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1969	---	---	---	---	---	---	---	---	0.241	0.054	---	---	---	1969
1970	---	---	0	2.21	0.731	0.022	0	0	0	0	---	---	0.385	1970
1971	---	---	0	0.499	0.117	2.46	1.01	0.001	0	0	---	---	0.505	1971
1972	---	---	0.002	---	---	0.023	0.009	0	0.017	0.128	---	---	---	1972
1973	---	---	0.004	3.81	1.01	0.199	0.002	0	0	0.008	---	---	0.620	1973
1974	---	---	0	5.36	3.07	0.089	0.181	0	0	0.001	---	---	1.08	1974
1975	---	---	0	0.857	0.885	0.051	0.031	0	0	0	---	---	0.227	1975
1976	---	---	0	2.23	0.287	1.01	0.234	1.43	0.085	0.036	---	---	0.858	1976
1977	---	---	0.003	3.05	2.90	0.861	0.185	0.002	0.001	0.063	---	---	0.801	1977
1978	---	---	0.001	1.04	0.781	0.115	0.001	0.001	0	0	---	---	0.249	1978
1979	---	---	0	1.34	2.12	0.356	0.414	0.002	0	0	---	---	0.516	1979
1980	---	---	0	0.118	0.038	0.044	0.002	0	0.001	0.001	---	---	0.025	1980
1981	---	---	0.007	1.49	0.534	0.083	0	0	0	0	---	---	0.258	1981
1982	---	---	0	0.626	1.03	0.091	0	0.248	0	0	---	---	0.249	1982
1983	---	---	0	0.860	0.363	0.863	2.77	0.050	0	0	---	---	0.814	1983
1984	---	---	0.187	0.040	0.918	0.885	0.020	0	0.001	0	---	---	0.255	1984
1985	---	---	0.083	1.89	0.439	0.086	0.017	0.001	0.007	0.040	---	---	0.316	1985
1986	---	---	0.065	1.55	1.87	0.049	0.002	0	0	0	---	---	0.441	1986
MEAN	---	---	0.024	1.88	1.04	0.416	0.285	0.103	0.020	0.018	---	---	0.449	MEAN

LOCATION - LAT 55 22 28 N LONG 118 54 50 W
DRAINAGE AREA 152 km²
NATURAL FLOW

GRANDE PRAIRIE CREEK NEAR SEXSMITH - STATION NO 07GE003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1969	---	---	0 ON SEP 1 *	---	1969
1970	---	5.04 B ON APR 16	0B ON MAR 1	7 740	1970
1971	16.7 AT 24 00 MST ON JUN 28	12.6 ON JUN 16	0B ON MAR 1	10 700	1971
1972	---	---	0B ON MAR 1	---	1972
1973	11.0 A AT 21 00 MST ON APR 20	8.98 ON APR 23	0B ON MAR 5	13 100	1973
1974	25.3 AT 24 00 MST ON APR 25 *	24.0 ON APR 25 *	0B ON MAR 1	22 800	1974
1975	4.53 AT 23 00 MST ON APR 22	2.77 ON APR 23	0B ON MAR 1	4 810	1975
1976	18.6 AT 18 00 MST ON APR 12	12.3 ON APR 12	0B ON MAR 1	13 900	1976
1977	22.4 AT 19 30 MST ON APR 9	17.3 ON APR 9	0 ON SEP 22	17 000	1977
1978	9.32 AT 13 00 MST ON APR 29	4.67 ON APR 29	0B ON MAR 1	5 280	1978
1979	18.8 B AT 23 30 MST ON APR 27	12.7 ON APR 28	0B ON MAR 1	10 900	1979
1980	---	0.550A ON APR 15	0B ON MAR 1	534	1980
1981	8.808 AT 22 00 MST ON APR 19	5.48 B ON APR 20	0B ON MAR 1	5 470	1981
1982	9.06 AT 20 30 MST ON APR 25	5.38 ON APR 29	0B ON MAR 1	5 280	1982
1983	10.5 AT 04 00 MST ON JUL 21	8.26 ON JUL 21	0B ON MAR 1	13 000	1983
1984	8.74 AT 00 00 MST ON JUN 8	5.98 ON JUN 8	0B ON MAR 1	5 400	1984
1985	8.288 AT 20 30 MST ON APR 1	3.81 ON APR 8	0B ON MAR 1	8 880	1985
1986	9.78 AT 08 30 MST ON MAY 6	5.71 ON MAY 6	0B ON MAR 1	9 320	1986
				9 490	MEAN

A - MANUAL GAUGE
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
[SEE REFERENCE INDEX]

GRAYBACK COULEE NEAR ORION - STATION NO 05AF022

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1922	---	---	0.027	0.101	0	---	---	---	---	---	---	---	---	1922
1923	---	---	0.327	0.001	0	0.088	0	---	---	---	---	---	---	1923
1924	---	---	0	0	0	0	0	0	0	0	---	---	---	1924
1925	---	0.006	0.087	0.011	0	0	0	0	0	0	---	---	---	1925
MEAN	---	0.003	0.113	0.026	0	0.029	0	0	0	0	---	---	---	MEAN

LOCATION - LAT 49 13 50 N LONG 110 52 20 W
DRAINAGE AREA 75.7 km²
NATURAL FLOW

GRAYBACK COULEE NEAR ORION - STATION NO. 05AF022

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1922	---	0.878 ON APR 3	0 ON MAR 1 *	---	1922
1923	---	1.93 B ON MAR 20 *	0 ON APR 5	---	1923
1924	---	---	0B ON MAR 1	---	1924
1925	---	0.705 ON MAR 22	0B ON FEB 1	---	1925
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

GREGG RIVER NEAR HINTON - STATION NO. 07AF906

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	---	---	3.81	8.70	2.70	1.19	4.81	7.91	---	---	4.83	1984
1985	---	---	---	---	3.34	6.29	3.79	5.76	6.29	3.65	---	---	5.34	1985
MEAN	---	---	---	---	3.58	7.50	3.25	3.98	5.55	5.78	---	---	5.09	MEAN

LOCATION - LAT 53 15 08 N, LONG 117 21 30 W DRAINAGE AREA, 381 km^2 DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

GREGG RIVER NEAR HINTON - STATION NO. 07AF906

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	21.7 AT 23:57 MST ON OCT 4	20.4 ON OCT 5	0.789 ON AUG 26 *	76 900	1984
1985	22.8 AT 23:10 MST ON SEP 12 *	21.6 ON SEP 12 *	---	84 900	1985
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		80 900	MEAN

GREGG RIVER NEAR THE MOUTH - STATION NO. 07AF015

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1985	---	---	---	---	---	---	---	---	7.57	3.83	---	---	---	1985
1986	---	---	0.819	1.47	6.49	6.19	17.3	4.08	3.85	6.52	---	---	5.84	1986
MEAN	---	---	0.819	1.47	6.49	6.19	17.3	4.08	5.61	5.18	---	---	5.84	MEAN

LOCATION - LAT 53 15 07 N, LONG 117 21 23 W NATURAL FLOW

GREGG RIVER NEAR THE MOUTH - STATION NO. 07AF015

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1985	23.4 AT 12:11 MST ON SEP 13	---	---	---	1985
1986	107 AT 03:15 MST ON JUL 18 *	93.6 ON JUL 18 *	0.5558 ON MAR 8 *	124 000	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		124 000	MEAN

GROAT CREEK NEAR WHITECOURT - STATION NO. 07AG006

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	---	---	---	---	---	0.218R	1.96 R	0.583R	---	---	---	1984
1985	---	---	0.091	1.73	2.31	3.71	0.288	0.283	2.37	1.08	---	---	1.47	1985
1986	---	---	0.082	2.65	3.07	---	---	0.325	0.280	0.482	---	---	---	1986
MEAN	---	---	0.087	2.19	2.69	3.71	0.288	0.276R	1.54 R	0.702R	---	---	1.47	MEAN

LOCATION - LAT 54 01 57 N, LONG 115 50 30 W DRAINAGE AREA, 134 km^2, NATURAL FLOW R - REVISED SINCE JAN 1986

GROAT CREEK NEAR WHITECOURT - STATION NO. 07AG008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	---	---	---	---	1984
1985	82.7 AT 09:20 MST ON JUN 24 *	64.0 ON JUN 24 *	0.0558 ON MAR 1	31 100	1985
1986	64.0 ON JUL 19	---	0.0028 ON MAR 1 *	---	1986
				31 100	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

GROS VENTRE CREEK AT TOTHILL'S RANCH - STATION NO. 05AH009

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	---	0.111	0.018	0	0	0	0.004	---	---	---	1912
1913	---	---	---	0.788	0.051	0.003	0.001	0	0	0	---	---	---	1913
1914	---	---	---	0.370	0.035	0.003	0	0	0.002	0.056	---	---	---	1914
MEAN	---	---	---	0.579	0.066	0.007	0	0	0.001	0.020	---	---	---	MEAN

LOCATION - LAT 49 45 20 N DRAINAGE AREA, 93.2 km^2
LONG 110 27 50 W NATURAL FLOW

GROS VENTRE CREEK AT TOTHILL'S RANCH - STATION NO. 05AH009

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	---	0 ON JUN 23 *	---	1912
1913	---	3.37 ON APR 5	0 ON JUN 2	---	1913
1914	---	4.11 ON MAR 30 *	0 ON MAY 26	---	1914
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

GROS VENTRE CREEK NEAR DUNMORE - STATION NO. 05AH037

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR FEB TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1921	---	---	0.344	1.14	0.145	0.008	0.003	0	0	0	---	---	---	1921
1922	---	---	0.198	2.92	0.354	0.010	0.010	0	0	0	---	---	---	1922
1944	---	---	0	0.005	0	0	---	---	---	---	---	---	---	1944
1945	---	---	0.359	0	0	0	---	---	---	---	---	---	---	1945
1946	---	---	0.843	0.073	0.005	0.003	---	---	---	---	---	---	---	1946
1947	---	---	2.21	0.728	0.082	0.051	---	---	---	---	---	---	---	1947
1948	---	---	0.934	2.41	0.237	0.001	---	---	---	---	---	---	---	1948
1949	---	---	0.238	0.049	0.001	0	---	---	---	---	---	---	---	1949
1950	---	---	0.358	0.389	0.011	0	---	---	---	---	---	---	---	1950
1951	---	---	1.50	2.13	0.246	0.139	---	---	---	---	---	---	---	1951
1952	---	---	2.24	2.81	0.115	0.002	---	---	---	---	---	---	---	1952
1953	---	---	1.25	1.80	0.828	1.70	---	---	---	---	---	---	---	1953
1954	---	---	0.002	1.02	0.105	0.138	---	---	---	---	---	---	---	1954
1955	---	---	1.04	4.36	1.17	0.083	---	---	---	---	---	---	---	1955
1956	---	---	1.29	0.388	0.158	0.008	---	---	---	---	---	---	---	1956
1957	---	0.169	1.53	1.50	0.195	0.005	---	---	---	---	---	---	---	1957
1958	---	---	0.531	0.211	0.012	0.005	---	---	---	---	---	---	---	1958
1959	---	---	0.760	0.185	0.027	0.003	---	---	---	---	---	---	---	1959
1960	---	---	1.21	0.116	0.132	0.006	0.002	0	0	0	---	---	---	1960
1961	---	---	0	0	0	0	0	0	0	0	---	---	---	1961
1962	---	---	0.445	0.007	0	0	0	0	0	0	---	---	---	1962
1963	---	---	0.271	0.004	0	0	0.287	0	0	0	---	---	---	1963
1964	---	---	0.197	0.231	0.810	0	0	0	0	0	---	---	---	1964
1965	---	0.229	0.106	2.43	0.091	0.576	0.752	0	0.019	0	---	---	0.484	1965
1966	---	---	1.44	0.270	0.087	0.427	0.014	0	0	0	---	---	---	1966
1967	---	---	1.89	1.05	2.29	0.068	0.005	0	0	0	---	---	---	1967
1968	---	---	0.286	0.126	0.114	0.016	0.002	0	0	0	---	---	---	1968
1969	---	---	0.976	0.635	0.025	0.002	0	0	0	0	---	---	---	1969
1970	---	---	0.229	1.02	0.080	0.054	0.028	0	0	0	---	---	---	1970
1971	---	0.638	0.671	1.19	0.044	0.043	0	0	0	0	---	---	0.282	1971
1972	---	---	1.02	0.024	0.026	0.001	0	0	0	0	---	---	---	1972
1973	---	0.046	0.158	0.105	0.039	0.286	0	0	0	0	---	---	0.088	1973
1974	---	---	0.886	0.381	0.150	0.023	0.001	0	0	0	---	---	---	1974
1975	---	---	0	1.28	1.36	---	---	0	0	0	---	---	---	1975
1976	---	---	0.575	0.328	0.014	0.002	0	0	0	0	---	---	---	1976
1977	---	---	0	0	0.001	0	0	0	0	0	---	---	---	1977
1978	---	---	0.552	0.425	0.110	0.016	0.056	0	0	0	---	---	---	1978
1979	---	---	1.88	0.882	0.220	0	0	0	0	0	---	---	---	1979
1980	---	---	0.084	0.021	0	0	0	0	0	0	---	---	---	1980
1981	---	0.089	0.003	0.015	0.009	0.054	0	0	0	0	---	---	0.018	1981
1982	---	0.223	0.675	1.25	0.138	0.932	0.005	0.002	0	0.002	---	---	0.356	1982
1983	---	0.257	0.087	0.038	0.423	0.003	0.001	0	0	0	---	---	0.089	1983
1984	---	0	0.026	0.018	0	0	0	0	0	0	---	---	0.005	1984
1985	---	0.001	0.880	1.39	0.348	0.006	0	0	0	0	---	---	0.272	1985
1986	---	0.303	0.128	0.014	0.289	0.005	0.001	0	0.281	0.087	---	---	0.117	1986
MEAN	---	0.198	0.864	0.778	0.227	0.108	0.041	0	0.010	0.002	---	---	0.186	MEAN

LOCATION - LAT 49 53 30 N DRAINAGE AREA, 215 km²
LONG 110 30 30 W NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1963 AND 1971

GROS VENTRE CREEK NEAR DUNMORE - STATION NO 05AH037

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR FEB TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1921	---	7.50 ON APR 14	0 ON MAR 1 *	---	1921
1922	---	10.4 ON APR 21	0 B ON MAR 1	---	1922
1944	0.071 AT 09:00 MST ON APR 2	0.059 ON APR 2	0 B ON MAR 1	---	1944
1945	1.70 B AT 09:00 MST ON MAR 12	1.47 B ON MAR 12	0 B ON MAR 1	---	1945
1946	2.35 ON MAR 2	2.07 ON MAR 2	0.003 ON MAY 7	---	1946
1947	---	9.77 ON MAR 22	0 B ON MAR 1	---	1947
1948	---	22.0 ON APR 17	0 B ON MAR 1	---	1948
1949	---	0.8788 ON MAR 6	0 B ON MAR 13	---	1949
1950	2.58 AT 08:20 MST ON APR 2	2.46 ON APR 2	0 B ON MAR 1	---	1950
1951	11.8 AT 19:00 MST ON MAR 29	10.9 ON MAR 29	0 B ON MAR 1	---	1951
1952	24.5 ON APR 7	17.6 ON APR 6	0 B ON MAR 1	---	1952
1953	20.6 AT 18:30 MST ON JUN 3	17.8 ON JUN 3	0 B ON MAR 1	---	1953
1954	13.1 AT 17:00 MST ON APR 9	8.78 ON APR 9	0 ON FEB 10	---	1954
1955	38.5 ON APR 9 *	25.3 ON APR 9 *	0 B ON MAR 1	---	1955
1956	---	6.29 B ON MAR 25	0 B ON MAR 1	---	1956
1957	---	7.59 B ON MAR 11	0 B ON FEB 1	---	1957
1958	---	4.30 ON MAR 30	0 B ON MAR 1	---	1958
1959	3.31 AT 09:00 MST ON MAR 27	2.80 B ON MAR 18	---	---	1959
1960	---	5.85 B ON MAR 20	0 B ON MAR 1	---	1960
1961	---	0 ON MAR 1	0 ON MAR 1	---	1961
1962	---	2.62 B ON MAR 20	0 B ON MAR 1	---	1962
1963	---	5.57 ON JUL 4	0 ON MAR 18	---	1963
1964	---	6.65 ON MAY 8	0 B ON MAR 1	---	1964
1965	---	11.6 ON APR 10	0 B ON FEB 1	10 900	1965
1966	---	5.86 B ON MAR 11	0 B ON MAR 1	---	1966
1967	---	20.9 ON MAY 7	0 B ON MAR 7	---	1967
1968	---	1.59 ON MAR 2	0 E ON JUL 12	---	1968
1969	---	5.49 ON MAR 17	0 B ON MAR 1	---	1969
1970	19.1 AT 05:30 MST ON APR 7	12.3 ON APR 7	0 B ON FEB 23	---	1970
1971	---	5.52 ON FEB 15	0 ON FEB 1	6 850	1971
1972	---	6.85 ON MAR 14	0 B ON MAR 1	---	1972
1973	---	2.28 ON JUN 15	0 B ON FEB 1	1 810	1973
1974	10.2 B AT 01:00 MST ON MAR 28	5.72 B ON MAR 29	0 B ON FEB 11	---	1974
1975	---	5.06 ON MAY 7	0 B ON FEB 27	---	1975
1976	---	5.47 B ON MAR 18	0 B ON MAR 1	---	1976
1977	---	0.004E ON MAY 16	0 B ON FEB 22	---	1977
1978	---	2.72 ON MAR 27	0 B ON MAR 1	---	1978
1979	---	7.18 B ON MAR 7	0 B ON FEB 28	---	1979
1980	---	0.2448 ON MAR 16	0 B ON MAR 1	---	1980
1981	---	0.672 ON JUN 16	0 E ON FEB 1	427	1981
1982	---	9.48 B ON APR 13	0 B ON FEB 1	8 390	1982
1983	8.38 AT 16:51 MST ON MAY 15	3.31 ON MAY 15	0 B ON FEB 1	2 090	1983
1984	---	0.1538 ON MAR 26	0 B ON FEB 1	121	1984
1985	10.8 AT 05:10 MST ON APR 28	8.13 ON APR 28	0 B ON FEB 1	6 410	1985
1986	7.00 AT 05:03 MST ON SEP 26	5.04 ON SEP 26	0 B ON FEB 3	2 780	1986
				4 370	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

HAMMER HILL SPILLWAY NEAR GLEICHEN - STATION NO 05BM005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1922	---	---	---	---	---	---	---	0	---	---	---	---	---	1922
1957	---	---	---	---	0.234	0.172	0.081	0.072	0.096	0.090	---	---	0.124	1957
1958	---	---	---	---	0.718	0.441	0.207	0.168	0.112	0.070	---	---	0.288	1958
1959	---	---	---	---	0.038	0.201	0.198	0.197	0.484	0.241	---	---	0.221	1959
1960	---	---	---	---	0.532	0.280	0.140	0.020	0.140	0.175	---	---	0.214	1960
1961	---	---	---	---	0.375	0.284	0.054	0.044	0.211	0.226	---	---	0.198	1961
1962	---	---	---	---	0.189	0.150	0.094	0.047	0.198	0.186	---	---	0.144	1962
1963	---	---	---	---	0.082	0.189	0.311	0.247	0.405	0.349	---	---	0.261	1963
1964	---	---	---	---	0.419	0.304	0.513	0.098	0.439	0.389	---	---	0.357	1964
1965	---	---	---	---	0.489	1.73	1.52	1.27	0.952	0.543	---	---	1.08	1965
1966	---	---	---	---	0.399	0.031	0.585	0.229	0.205	0.785	---	---	0.375	1966
1967	---	---	---	---	1.30	1.12	0.458	0.182	0.090	0.034	---	---	0.532	1967
1968	---	---	---	---	0.076	0.289	0.378	0.442	0.368	0.314	---	---	0.311	1968
1969	---	---	---	---	0.886	0.450	0.486	0.273	0.181	0.328	---	---	0.385	1969
1970	---	---	---	---	0.337	0.809	0.433	0.103	0.044	0.050	---	---	0.285	1970
1971	---	---	---	---	1.37	1.18	0.139	0.037	0.053	0.219	---	---	0.499	1971
1972	---	---	---	---	0.270	0.401	0.737	0.350	0.409	0.170	0.185	---	0.389	1972
1973	---	---	---	---	1.07	0.428	0.398	0.279	0.535	0.543	0.418	0.113	0.542	1973
1974	---	---	---	---	1.41	1.37	0.389	0.884	0.583	0.481	0.053	---	0.814	1974
1975	---	---	---	---	1.11	1.04	0.371	0.110	0.112	0.218	0.110	---	0.492	1975
1976	---	---	---	---	0.314	0.321	0.385	0.251	0.386	0.255	0.388	---	0.318	1976
1977	---	---	---	---	0.021	0.038	0.051	0.336	0.227	0.305	0.098	---	0.163	1977
1978	---	---	---	---	0.453	0.488	0.234	0.310	0.821	0.341	---	---	0.439	1978
1979	---	---	---	---	0.087	0.084	0.413	0.298	0.158	0.014	---	---	0.173	1979
1980	---	---	---	---	---	0.524	0.354	0.507	0.342	0.230	0.042	---	---	1980
1981	---	---	---	---	0.246	0.080	0.518	0.059	0.183	0.271	---	---	0.224	1981
1982	---	---	---	---	0.123	0.234	0.429	0.228	0.215	0.293	0.087	---	0.254	1982
1983	---	---	---	---	0.146	0.110	---	0.079	---	0.089	0.020	---	---	1983
1984	---	---	---	---	0.014	0.201	0.146	0.528	0.535	0.285	0.124	0.039	0.281	1984
1985	---	---	---	---	0.122	0.071	0.032	0.532	0.485	0.288	0.057	0.007	0.251	1985
1986	---	---	---	---	0.188	0.186	0.614	0.736	1.08	0.991	0.193	0.008	0.632	1986
MEAN	---	---	---	---	0.442	0.439	0.388	0.281	0.346	0.289	0.146	0.041	0.367	MEAN

LOCATION - LAT 50 51 20 N
LONG 113 08 00 W
REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1980, 1982 AND 1971

HAMMER HILL SPILLWAY NEAR GLEICHEN - STATION NO. 05BM005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1922	---	---	0 ON AUG 1 *	---	1922
1957	---	0.286 ON MAY 17	0.085 ON AUG 5	1 970	1957
1958	---	1.42 ON MAY 7	0.003 ON JUL 15	4 540	1958
1959	---	1.04 ON JUN 27	0 ON MAY 1	3 510	1959
1960	---	0.871 ON MAY 18	0 ON AUG 7	3 400	1960
1961	---	0.691 ON MAY 13	0 ON AUG 8	3 150	1961
1962	---	0.360 ON MAY 4	0.014 ON AUG 17	2 280	1962
1963	---	0.660 ON JUN 22	0.023 ON JUN 21	4 140	1963
1964	---	0.762 ON JUL 11	0 ON AUG 22	5 670	1964
1965	---	2.58 ON JUN 26	0.025 ON OCT 31	17 200	1965
1966	---	1.51 ON JUL 12	0 ON MAY 14	5 950	1966
1967	---	1.47 ON MAY 25	0 ON OCT 7	8 480	1967
1968	---	0.677 ON SEP 22	0.045 ON MAY 24	4 950	1968
1969	---	1.20 ON JUN 29	0.096 ON SEP 2	6 280	1969
1970	---	4.45 ON JUN 17 *	0.021A ON AUG 10	4 690	1970
1971	---	1.92 ON MAY 28	0.007 ON SEP 18	7 930	1971
1972	---	1.17 ON JUL 13	0.027 ON OCT 25	6 190	1972
1973	---	1.28 ON MAY 7	0.012 ON MAY 31	8 620	1973
1974	---	2.06 ON MAY 30	0.051 ON SEP 2	12 800	1974
1975	---	1.51 ON MAY 14	0.028 ON JUL 27	7 820	1975
1976	---	0.589 ON JUN 27	0.144 ON AUG 2	5 030	1976
1977	---	3.88 ON AUG 18	0 ON MAY 1	2 590	1977
1978	---	1.30 ON SEP 16	0.110 ON JUL 28	6 970	1978
1979	---	0.506 ON JUL 14	0.001 ON OCT 14	2 760	1979
1980	---	0.821 ON JUN 27	---	---	1980
1981	---	0.815 ON JUL 8	0 ON JUN 9	3 580	1981
1982	---	0.788A ON JUL 7	0.038 ON MAY 25	4 040	1982
1983	---	---	---	---	1983
1984	---	0.888 ON SEP 7	0.001 ON MAY 12	4 480	1984
1985	---	1.17 ON AUG 28	0 ON MAY 25	3 930	1985
1986	---	1.38 ON SEP 26	0 ON MAY 2	10 000	1986
A - MANUAL GAUGE (SEE REFERENCE INDEX)		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		5 820	MEAN

HAMMER HILL SPILLWAY NEAR STOBART - STATION NO. 05BM011

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1951	---	---	---	---	---	---	---	---	0.183	0.183	---	---	---	1951
1952	---	---	---	---	1.51	0.741	0.003	0.003	0.027	0.003	---	---	---	1952
1953	---	---	---	---	0.006	0.027	0.102	0.401	0.726	0.827	---	---	---	1953
MEAN	---	---	---	---	0.758	0.384	0.053	0.202	0.312	0.338	---	---	---	MEAN

LOCATION - LAT 50 54 00 N
LONG 113 09 00 W REGULATED

HANGINGSTONE RIVER AT FORT MCMURRAY - STATION NO. 07CD004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1955	---	---	---	---	5.84	3.55	4.30	2.50	5.71	3.98	---	---	---	1955
1956	---	---	---	2.84	19.8	17.3	5.89	2.23	2.08	3.68	---	---	---	1956
1957	---	---	---	---	17.0	3.57	7.76	12.8	2.53	2.15	---	---	---	1957
1958	---	---	---	---	5.48	4.76	6.87	2.81	4.01	5.99	---	---	---	1958
1959	---	---	---	20.0	9.04	7.39	1.78	2.08	11.1	5.85	---	---	---	1959
1970	0.289	0.229	0.143	5.61	13.1	11.6	26.2	7.06	20.5	7.88	3.12	0.806	8.18	1970
1971	0.488	0.365	0.362	12.0	4.83	3.39	9.68	1.88	1.12	1.26	0.789	0.564	3.05	1971
1972	0.542	0.400	0.417	3.06	18.1	4.64	2.52	1.07	0.753	2.12	1.80	0.800	3.01	1972
1973	0.485	0.414	0.340	3.21	4.18	29.5	9.57	13.9	4.01	7.94	2.79	1.25	6.48	1973
1974	0.580	0.385	0.448	17.9	16.0	5.66	10.8	2.87	2.70	2.42	1.22	0.706	5.17	1974
1975	0.275	0.088	0.216	2.04	13.7	10.0	8.93	6.38	12.0	7.19	2.03	0.572	5.31	1975
1976	0.404	0.205	0.413	4.83	1.84	2.76	6.17	15.4	19.2	6.35	1.67	0.448	5.08	1976
1977	0.318	0.214	0.428	7.14	12.3	8.98	8.61	5.26	2.63	3.89	1.47	0.364	4.30	1977
1978	0.355	0.227	0.284	4.89	8.22	5.21	1.44	2.09	13.9	---	---	0.878	---	1978
1979	0.367	0.262	0.240	1.86	15.1	9.97	3.69	3.30	7.63	3.33	1.98	0.674	4.08	1979
1980	0.284	0.068	0.048	3.52	1.08	2.17	1.00	17.1	15.1	4.89	1.16	0.172	3.86	1980
1981	0.095	0.137	0.290	1.87	4.26	2.48	8.37	1.12	0.363	1.19	0.770	0.475	1.83	1981
1982	0.218	0.177	0.245	3.16	11.6	3.08	3.35	3.82	1.83	1.16	0.614	0.338	2.49	1982
1983	0.322	0.318	0.327	4.83	3.31	3.43	4.28	3.26	3.33	3.29	1.48	0.510	2.38	1983
1984	0.151	0.149	0.183	3.44	8.89	12.8	5.38	1.51	2.02	3.20	1.89	0.599	3.14	1984
1985	0.245	0.176	0.183	4.86	14.9	3.53	1.34	0.372	1.22	2.22	0.718	0.248	2.52	1985
1986	0.095	0.090	0.393	1.62	6.71	4.83	12.8	5.23	1.34	1.58	0.586	0.443	3.00	1986
MEAN	0.321	0.230	0.291	5.76	9.72	7.29	6.75	5.23	6.14	3.91	1.48	0.656	3.98	MEAN

LOCATION - LAT 56 42 18 N DRAINAGE AREA, 959 km^2
LONG 111 21 20 W NATURAL FLOW

HANGINGSTONE RIVER AT FORT MCMURRAY - STATION NO. 07CD004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1985	---	19.4 ON JUL 2	0.8 ON MAR 12 *	---	1985
1986	---	78.2 ON MAY 23	---	---	1986
1987	---	52.1 ON AUG 3	---	---	1987
1988	---	18.1 ON JUN 30	---	---	1988
1989	---	56.4 ON APR 20	---	---	1989
1970	---	135 ON JUL 2 *	0.0578 ON APR 4	257 000	1970
1971	---	48.4B ON APR 22	0.3288 ON MAR 5	95 200	1971
1972	---	39.4 ON MAY 2	0.3288 ON MAR 9	95 160	1972
1973	---	59.2 ON JUN 17	0.2838 ON APR 6	204 000	1973
1974	---	55.8 ON APR 25	0.3438 ON FEB 8	163 000	1974
1975	---	28.9 ON MAY 27	0.0858 ON FEB 4	167 000	1975
1976	---	127 ON AUG 28	0.1848 ON FEB 12	180 000	1976
1977	---	26.8 ON MAY 30	0.1988 ON FEB 8	136 000	1977
1978	---	25.3 ON SEP 10	0.1708 ON MAR 1	---	1978
1979	---	26.0 ON MAY 14	0.2008 ON MAR 1	128 000	1979
1980	---	43.4 ON AUG 5	0.0128 ON MAR 3	122 000	1980
1981	---	15.1 ON JUL 23	0.0858 ON JAN 28	51 600	1981
1982	---	23.0B ON APR 30	0.1708 ON JAN 29	78 500	1982
1983	---	12.0B ON APR 19	0.1708 ON DEC 31	75 100	1983
1984	52.6 AT 16:59 MST ON JUN 2 *	48.2 ON JUN 2	0.1488 ON FEB 16	99 500	1984
1985	---	37.5E ON MAY 5	0.1558 ON DEC 31	78 300	1985
1986	23.1 AT 11:25 MST ON JUL 31	22.0 ON JUL 31	0.0608 ON FEB 19	94 500	1986
				125 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

HARTLEY CREEK NEAR FORT MACKAY - STATION NO. 07DA009

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	6.57	2.98	7.83	4.18	1.09	0.110	---	1975
1976	0.030	0.024	0.032	2.47	0.809	0.136	0.233	0.883	2.22	2.15	0.408	0.018	0.785	1976
1977	0.007	0.008	0.009	1.57	1.11	1.09	1.59	0.423	0.504	0.985	0.301	0.021	0.836	1977
1978	0.007	0.005	0.010	0.926	2.67	1.49	0.354	1.96	9.22	5.69	1.11	0.154	1.87	1978
1979	0.012	0.009	0.028	1.02	5.73	2.29	0.877	1.56	2.59	1.59	0.693	0.043	1.45	1979
1980	0.012	0.004	0.005	0.748	0.202	0.020	0.029	0.888	3.45	2.18	0.801	0.032	0.679	1980
1981	0.024	0.010	0.012	0.182	0.891	0.844	1.31	0.103	0.051	0.121	0.044	0.017	0.287	1981
1982	0.005	0.004	0.005	0.216	2.56	1.01	0.489	0.498	0.285	0.123	0.001	0	0.437	1982
1983	0	0	0	0.328	0.384	0.389	0.403	0.170	0.039	0.039	0.051	0.004	0.151	1983
1984	0.002	0	0.002	0.104	0.251	0.850	1.05	1.00	1.52	1.58	0.395	0.034	0.574	1984
1985	0	0	0.002	2.74	8.32	1.67	0.400	0.070	0.890	1.73	0.626	0.003	1.38	1985
1986	0	0	0.055	1.17	3.93	2.34	2.68	1.39	0.466	0.710	0.080	0	1.08	1986
MEAN	0.009	0.006	0.015	1.04	2.53	1.08	1.32	0.977	2.42	1.76	0.451	0.036	0.855	MEAN

LOCATION - LAT 57 15 34 N
LONG 111 27 53 W
DRAINAGE AREA 358 km^2
NATURAL FLOW

HARTLEY CREEK NEAR FORT MACKAY - STATION NO. 07DA009

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	14.9 AT 20:00 MST ON JUL 20	14.8 ON JUL 20	---	---	1975
1976	---	5.04 B ON APR 12	0.0088 ON DEC 27	24 200	1976
1977	4.13 B AT 18:00 MST ON APR 18	3.77 B ON APR 19	0.0088 ON JAN 18	20 000	1977
1978	14.8 AT 18:50 MST ON SEP 10	14.8 ON SEP 11	0.0058 ON JAN 12	62 100	1978
1979	8.07 AT 19:00 MST ON MAY 20	7.88 ON MAY 20	0.0068 ON JAN 22	45 600	1979
1980	---	4.20 E ON SEP 23	0.0048 ON FEB 5	21 500	1980
1981	2.30 AT 13:05 MST ON JUL 17	2.26 ON JUL 17	0.0068 ON FEB 14	9 070	1981
1982	3.67 AT 15:59 MST ON MAY 20	3.64 ON MAY 21	0 B ON NOV 8 *	13 800	1982
1983	0.849 AT 12:45 MST ON APR 27	0.816 ON APR 27	0 B ON JAN 1	4 780	1983
1984	2.35 AT 16:05 MST ON OCT 22	2.35 ON OCT 23	0 B ON FEB 1	18 200	1984
1985	18.7 AT 15:17 MST ON MAY 8 *	17.2 E ON MAY 8 *	0 B ON JAN 1	43 800	1985
1986	4.60 AT 19:59 MST ON MAY 13	4.56 ON MAY 13	0 B ON JAN 1	34 000	1986
				27 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

HASTINGS CREEK NEAR LINDBROOK - STATION NO. 05EB001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1916	---	---	---	---	0.567	0.808	0.386	0.221	0.222	0.210	---	---	---	1916
1920	---	---	---	0.011	0.005	0.017	0.011	0	---	---	---	---	---	1920
1921	---	---	0.004	0.108	0.030	0	0	0	0	0	---	---	---	1921
1922	---	---	0	0.005	0	0	0	0	0	0	---	---	---	1922
MEAN	---	---	0.002	0.042	0.151	0.156	0.094	0.055	0.074	0.070	---	---	---	MEAN

LOCATION - LAT 53 24 31 N
LONG 112 49 38 W
DRAINAGE AREA 295 km^2
NATURAL FLOW

HASTINGS CREEK NEAR LINDBROOK - STATION NO. 05EB001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1919	---	---	---	---	1919
1920	---	0.074 ON APR 23	0 ON APR 1 *	---	1920
1921	---	0.210 ON APR 14 *	0B ON MAR 1	---	1921
1922	---	0.042 ON APR 5	0 ON MAR 1	---	1922
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

HAY RIVER NEAR MEANDER RIVER - STATION NO. 07OB003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	---	---	---	---	---	49.9	---	---	---	1974
1975	---	---	1.08	23.4	181	126	103	45.7	38.0	22.7	---	---	85.1	1975
1976	---	---	1.87	97.2	186	215	235	260	218	181	---	---	188	1976
1977	---	---	5.00	101	248	613	431	253	171	121	---	---	242	1977
1978	---	---	2.09	12.7	256	195	87.6	84.1	127	80.4	---	---	104	1978
1979	---	---	0.828	0.771	352	431	278	151	119	92.8	---	---	178	1979
1980	---	---	1.18	28.4	28.6	21.6	21.0	23.4	17.8	29.2	---	---	21.5	1980
1981	---	---	0.422	13.8	284	86.4	33.1	8.52	4.38	3.37	---	---	54.5	1981
1982	---	---	0.140	0.975	273	123	42.6	19.4	16.1	11.6	---	---	81.0	1982
1983	---	---	0.405	38.6	237	140	74.2	50.6	25.2	13.7	---	---	72.8	1983
1984	---	---	0.838	18.2	54.8	132	225	81.5	132	93.8	---	---	92.2	1984
1985	---	---	1.69	45.4	321	157	107	85.1	109	104	---	---	118	1985
1986	---	---	1.89	29.8	224	147	128	62.4	19.7	30.0	---	---	80.9	1986
MEAN	---	---	1.44	34.3	217	200	148	92.1	83.2	62.6	---	---	105	MEAN

LOCATION - LAT 59 08 58 N DRAINAGE AREA, 36 900 km^2
LONG 117 38 03 W NATURAL FLOW

HAY RIVER NEAR MEANDER RIVER - STATION NO. 07OB003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1974	---	---	---	---	1974
1975	252 AT 01:00 MST ON JUN 1	249 ON JUN 1	0.861B ON MAR 30	1 380 000	1975
1976	524 AT 13:00 MST ON AUG 23	518 ON AUG 23	1.32 B ON MAR 1	3 580 000	1976
1977	878 AT 12:00 MST ON JUN 16 *	878 ON JUN 16 *	3.77 B ON APR 8	6 130 000	1977
1978	428 AT 00:30 MST ON MAY 5	422 ON MAY 5	1.23 B ON APR 11	2 210 000	1978
1979	700 AT 14:00 MST ON JUN 3	700 ON JUN 3	0.503B ON APR 17	3 770 000	1979
1980	1188 AT 03:00 MST ON APR 23	1028 ON APR 23	1.09 B ON MAR 1	455 000	1980
1981	587 AT 00:00 MST ON MAY 5	583 ON MAY 5	0.100B ON MAR 5	1 150 000	1981
1982	371 AT 11:00 MST ON MAY 8	370 ON MAY 8	0.050B ON MAR 1 *	1 280 000	1982
1983	3088 AT 04:00 MST ON APR 29	3008 ON APR 29	0.325B ON APR 3	1 540 000	1983
1984	363 AT 02:00 MST ON JUL 13	358 ON JUL 13	0.570B ON MAR 23	1 950 000	1984
1985	499 AT 12:00 MST ON MAY 10	496 ON MAY 10	1.34 B ON MAR 28	2 490 000	1985
1986	282 AT 19:00 MST ON MAY 14	281A ON MAY 14	1.55 B ON MAR 31	1 700 000	1986
	A - MANUAL GAUGE (SEE REFERENCE INDEX)	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD	2 230 000	MEAN

HAYNES CREEK NEAR HAYNES - STATION NO. 05CD005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	---	---	---	0.013	0.009	---	---	---	1978
1979	---	---	0.342	0.184	0.087	0.028	0.017	0	0	0	---	---	0.084	1979
1980	---	---	0	0.509	0	0	0	0	0	0	---	---	0.082	1980
1981	---	---	0.156	0.080	0.033	0	0	0.003	0	0	---	---	0.032	1981
1982	---	---	0	1.35	0.017	0.016	0.043	0.018	0.010	0	---	---	0.178	1982
1983	---	---	0.023	0.084	0.001	0.002	0.378	0.005	0	0	---	---	0.062	1983
1984	---	---	0.008	0.030	0.030	0.004	0	0	0.001	0	---	---	0.009	1984
1985	---	---	0.358	0.485	0.048	0.018	0	0	0	0	---	---	0.113	1985
1986	---	---	0.349	0.027	0.245	0.002	0.077	0.044	0.009	0.010	---	---	0.086	1986
MEAN	---	---	0.155	0.361	0.059	0.009	0.084	0.009	0.004	0.002	---	---	0.080	MEAN

LOCATION - LAT 62 19 55 N DRAINAGE AREA, 186 km^2
LONG 113 21 40 W NATURAL FLOW

HAYNES CREEK NEAR HAYNES - STATION NO 05CD005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	---	---	0E ON AUG 11 *	---	1978
1979	1.51 AT 07 00 MST ON MAR 19	1.19 A ON MAR 15	0B ON MAR 1	1 770	1979
1980	---	1.34 E ON APR 8	0 ON MAR 1	1 320	1980
1981	0.747 AT 08 20 MST ON MAR 17	0.650 ON MAR 17	0 ON MAY 15	871	1981
1982	6.56 AT 17 37 MST ON APR 18 *	6.37 ON APR 18 *	0B ON MAR 1	3 780	1982
1983	1.27 AT 01 23 MST ON JUL 7	1.05 ON JUL 7	0B ON MAR 1	1 310	1983
1984	0.783 AT 19 00 MST ON MAY 2	0.316 ON MAY 3	0B ON MAR 1	194	1984
1985	2.99 AT 13 59 MST ON APR 3	2.89 ON APR 3	0B ON MAR 1	2 390	1985
1986	---	1.26 B ON MAR 3	0 ON JUN 10	2 040	1986
				1 880	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

HEART RIVER AT PEACE RIVER - STATION NO 07HA002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	10.1	9.76	2.59	1.38	1.54	0.931	0.275	---	1915
1916	0.188	0.204	0.175	18.9	14.6	5.40	8.45	1.56	0.880	1.42	0.591	0.117	4.20	1916
1917	0.017	0	0.051	11.8	23.0	7.83	1.80	1.74	0.726	0.562	0.431	0.053	4.01	1917
1918	0	0	0	7.75	8.31	2.90	5.84	1.09	0.289	0.253	0.103	0	2.22	1918
1919	0	0	0.016	3.12	7.65	21.2	19.9	5.83	2.80	1.15	0.362	0.022	5.19	1919
1920	0.001	0.008	0.012	19.3	93.0	46.4	14.6	3.87	3.38	7.23	1.46	0.247	15.8	1920
1921	0.018	0.126	0.318	9.51	9.08	10.6	5.80	2.28	---	---	---	---	---	1921
MEAN	0.034	0.056	0.095	11.4	25.9	14.9	9.42	2.65	1.59	2.03	0.805	0.119	6.28	MEAN

LOCATION - LAT 56 13 50 N LONG 117 17 10 W DRAINAGE AREA 2 250 km^2 NATURAL FLOW

HEART RIVER AT PEACE RIVER - STATION NO 07HA002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	---	---	---	1915
1916	---	23.8 ON APR 24	0.0208 ON DEC 29	133 000	1916
1917	---	49.6 ON MAY 17	0 B ON JAN 27 *	126 000	1917
1918	---	23.4 ON JUL 15	0 B ON JAN 1	70 200	1918
1919	---	50.1 ON JUL 10	0 B ON JAN 1	164 000	1919
1920	---	174 ON MAY 14 *	0 B ON JAN 1	501 000	1920
1921	---	19.8 ON JUN 11	0 ON JAN 17	---	1921
				199 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

HEART RIVER NEAR NAMPA - STATION NO 07HA003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1953	---	---	0.153	41.4	26.6	1.42	0.261	0.150	0.055	0.121	---	---	---	1953
1954	---	---	0.074	4.17	19.2	3.67	23.1	46.8	2.89	3.56	---	---	---	1954
1955	---	---	0.258	42.8	28.8	3.86	0.201	0.110	0.126	0.314	---	---	---	1955
1956	---	---	0.487	3.30	0.855	0.251	0.266	0.081	0.038	0.080	---	---	---	1956
1957	---	---	0.184	0.643	34.3	2.15	0.052	0.007	0.003	0.032	---	---	---	1957
1958	---	---	2.36	2.99	1.02	4.98	0.508	0.042	0.067	0.468	---	---	---	1958
1959	---	---	0.183	13.6	6.45	0.370	0.263	0.058	2.98	5.75	---	---	---	1959
1970	---	---	0.204	19.6	4.35	1.57	4.85	0.231	0.230	0.535	0.455	0.336	---	1970
1971	0.239	0.208	0.194	12.9	3.74	9.12	11.9	0.734	0.044	0.193	0.234	0.225	3.32	1971
1972	0.117	0.164	0.443	10.8	10.7	0.964	1.24	0.573	0.290	1.25	0.855	0.335	2.33	1972
1973	0.353	0.349	0.321	19.8	13.1	13.3	8.79	9.87	10.1	4.11	2.44	0.598	6.93	1973
1974	0.358	0.268	0.240	42.6	22.3	3.01	2.74	0.876	2.46	1.85	1.28	0.595	6.53	1974
1975	0.343	0.243	0.233	6.34	4.76	4.80	8.23	1.29	7.85	2.56	1.83	0.538	3.22	1975
1976	0.277	0.266	0.223	19.5	6.11	13.1	9.20	15.2	4.77	2.07	1.22	0.510	6.02	1976
1977	0.287	0.296	0.394	8.04	8.55	20.4	3.70	0.920	0.385	1.25	0.654	0.394	3.76	1977
1978	0.322	0.216	0.259	6.42	11.3	2.22	0.212	0.027	1.51	2.13	0.854	0.481	2.17	1978
1979	0.277	0.378	0.273	10.0	26.3	18.2	28.0	1.83	0.241	0.570	0.329	0.287	7.29	1979
1980	0.220	0.163	0.218	2.13	0.275	0.264	0.048	0.080	0.247	0.558	0.356	0.133	0.385	1980
1981	0.148	0.134	0.575	8.38	3.44	0.471	0.127	0.005	0	0.009	0.093	0.078	0.954	1981
1982	0.078	0.123	0.142	2.57	2.88	0.054	0	0.016	0.001	0.048	0.075	0.064	0.514	1982
1983	0.054	0.043	0.070	0.607	0.126	0.857	8.51	6.61	1.30	1.37	0.819	0.330	1.73	1983
1984	0.220	0.187	0.818	1.38	9.64	12.2	27.7	0.744	0.920	1.18	0.765	0.380	4.71	1984
1985	0.227	0.162	0.681	17.3	11.4	1.49	0.181	0.064	1.77	3.61	1.08	0.298	3.19	1985
1986	0.244	0.167	4.73	6.64	5.91	1.78	4.79	1.14	0.088	0.452	0.459	0.282	2.40	1986
MEAN	0.238	0.211	0.572	12.7	10.9	5.01	6.04	3.65	1.59	1.42	0.801	0.345	3.47	MEAN

LOCATION - LAT 55 03 20 N LONG 117 07 42 W DRAINAGE AREA 1 960 km^2 NATURAL FLOW

HEART RIVER NEAR NAMPA - STATION NO. 07HA003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1963	---	101 ON APR 28	---	---	1963
1964	---	147 ON AUG 3 *	---	---	1964
1965	---	129 ON APR 29	0 ON JUL 22 *	---	1965
1966	---	7.708 ON APR 1	---	---	1966
1967	---	63.7 ON MAY 9	0 ON JUL 22	---	1967
1968	---	26.3 ON JUN 15	---	---	1968
1969	---	30.9 B ON APR 12	---	---	1969
1970	---	30.6 ON APR 23	---	---	1970
1971	60.0 AT 21:00 MST ON JUN 29	56.9 ON JUN 30	0.013 ON SEP 20	105 000	1971
1972	39.6 AT 18:15 MST ON APR 30	37.9 ON APR 30	0.014 ON SEP 13	73 500	1972
1973	64.3 AT 15:00 MST ON APR 23	63.1 ON APR 23	0.2838 ON JAN 5	218 000	1973
1974	126 AT 05:00 MST ON APR 19 *	121 ON APR 19	0.1708 ON MAR 20	205 000	1974
1975	37.4 AT 05:00 MST ON JUN 30	36.8 ON JUN 30	0.147 ON AUG 15	101 000	1975
1976	88.1 ON AUG 19	81.0 ON AUG 19	0.1938 ON FEB 28	191 000	1976
1977	76.5 AT 15:30 MST ON JUN 4	72.6 ON JUN 4	0.184 ON SEP 16	119 000	1977
1978	43.9 AT 02:00 MST ON MAY 1	40.5 ON MAY 1	0.013A ON AUG 2	88 400	1978
1979	105 A AT 01:00 MST ON APR 30	100 E ON APR 30	0.1508 ON JAN 16	230 000	1979
1980	7.288 AT 17:00 MST ON APR 19	3.698 ON APR 18	0.012E ON AUG 18	12 200	1980
1981	13.8 AT 18:00 MST ON APR 28	13.5 ON APR 28	0 ON AUG 19	30 000	1981
1982	24.2 B AT 16:30 MST ON APR 25	18.3 B ON APR 25	0 ON JUN 19	16 200	1982
1983	---	54.0 E ON JUL 29	0 ON MAY 18	54 800	1983
1984	75.0 AT 00:30 MST ON JUL 11	73.8 ON JUL 11	0.055 ON MAY 11	145 000	1984
1985	34.6 B AT 18:30 MST ON APR 9	25.1 B ON APR 10	0.011 ON JUL 13	101 000	1985
1986	38.4 AT 00:00 MST ON MAR 30	29.7 B ON MAR 30	0.013 ON SEP 4	75 800	1986
				105 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

HENDRICKSON CREEK NEAR THE MOUTH - STATION NO. 07AC004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	0.392	0.312	0.286	0.165	---	---	---	---	---	1974
MEAN	---	---	---	---	0.392	0.312	0.286	0.165	---	---	---	---	---	MEAN

LOCATION - LAT 53 46 37 N, LONG 118 22 03 W
DRAINAGE AREA, 24.9 km^2
NATURAL FLOW
DATA CONTRIBUTED BY - CANADIAN FORESTRY SERVICE (DOE) (CANADA)

HENDRICKSON CREEK NEAR THE MOUTH - STATION NO. 07AC004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1974	0.620 AT 23:30 MST ON MAY 23 *	0.589 ON MAY 25 *	---	---	1974
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

HIGHWOOD DIVERSION CANAL NEAR HEADGATES - STATION NO. 05BL025

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1977	---	---	---	---	---	---	0.158	0.294	0.213	0.058	0.023	---	---	1977
1978	---	---	---	0.017	0.131	0.073	0.103	0.173	0.217	0.045	---	---	0.109	1978
1979	---	---	---	0.021	0.105	0.249	0.171	0.236	0.008	0	---	---	0.113	1979
1980	---	---	---	0.001	0.043	0.294	0.085	0.283	0.017	0	---	---	0.105	1980
1981	---	---	---	0.004	0.117	0.288	0.483	0.452	0.121	0	---	---	0.210	1981
1982	---	---	---	0	0.333	0.507	0.395	0.611	0.430	0.185	---	---	0.349	1982
1983	---	---	---	0	0.273	0.897	0.846	0.411	0.244	0.136	---	---	0.373	1983
1984	---	---	---	0.040	0.464	0.876	1.02	0.730	0.314	0.215	---	---	0.524	1984
1985	---	---	---	0.004	0.882	1.26	1.21	0.875	0.775	0.470	0.002	---	0.783	1985
1986	---	---	---	0.003	0.376	1.25	1.35	0.913	0.745	0.308	0.003	---	0.708	1986
MEAN	---	---	---	0.010	0.303	0.610	0.583	0.498	0.308	0.140	0.009	---	0.384	MEAN

LOCATION - LAT 50 33 08 N, LONG 113 59 20 W
REGULATED

HIGHWOOD DIVERSION CANAL NEAR HEADGATES - STATION NO 05BL025

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1977	---	---	---	---	1977
1978	---	0.331 ON SEP 13	0 ON APR 1 *	2 010	1978
1979	---	0.377 ON MAY 30	08 ON APR 1	2 080	1979
1980	---	0.446 ON AUG 13	0 ON APR 1	1 940	1980
1981	---	0.789 ON JUL 26	0 ON APR 1	3 890	1981
1982	---	0.848 ON SEP 26	0E ON APR 1	6 450	1982
1983	---	1.14 ON JUL 9	0 ON APR 1	6 910	1983
1984	---	1.29 ON JUL 22	08 ON APR 1	9 690	1984
1985	---	1.58 ON JUL 4 *	0 ON OCT 28	14 500	1985
1986	---	1.57 ON JUL 18	0 ON MAY 3	13 100	1986
				6 730	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

HIGHWOOD RIVER AT BROWN'S RANCH - STATION NO 05BL008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	---	---	---	---	15.0	8.94	7.85	---	---	---	1912
1913	---	---	---	---	19.7	42.3	17.8	16.8	10.2	7.40	---	---	---	1913
1914	---	---	---	---	25.2	46.2	17.5	5.55	4.88	7.73	---	---	---	1914
1915	---	---	---	15.1	49.5	77.0	48.4	18.2	9.91	8.89	---	---	---	1915
1916	---	---	---	9.85	25.4	104	81.5	26.8	15.7	10.6	7.27	4.11	---	1916
1917	2.72	1.38	1.80	5.32	50.3	82.6	25.4	9.19	6.32	4.89	3.78	1.93	16.3	1917
1918	1.91	1.04	1.12	6.48	16.1	38.6	13.2	11.0	7.52	6.21	4.23	3.08	9.22	1918
1919	2.12	1.93	1.92	5.78	31.7	23.9	9.88	12.1	4.75	3.85	1.94	2.22	8.56	1919
1920	1.88	1.84	2.11	---	---	---	---	---	---	---	---	---	---	1920
MEAN	2.16	1.55	1.74	8.47	31.1	59.2	27.7	14.7	8.65	7.13	4.31	2.84	11.4	MEAN

LOCATION - LAT 50 31 44 N
LONG 114 14 14 W
DRAINAGE AREA 1 200 km^2
NATURAL FLOW

HIGHWOOD RIVER AT BROWN'S RANCH - STATION NO 05BL008

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	---	---	---	1912
1913	---	54.4 ON JUN 28	---	---	1913
1914	---	75.0 ON JUN 3	---	---	1914
1915	---	214 ON JUN 26	---	---	1915
1916	---	228 ON JUN 28 *	---	---	1916
1917	---	135 ON JUN 9	0.7088 ON FEB 13	515 000	1917
1918	---	76.2 ON JUN 10	0.0888 ON MAR 5 *	280 000	1918
1919	---	71.6 ON MAY 23	0.8218 ON FEB 25	270 000	1919
1920	---	---	---	18 700	1920
				273 000	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

HIGHWOOD RIVER AT DIEBEL'S RANCH - STATION NO. 05BL019

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1950	---	---	---	---	---	---	---	5.89	3.12	2.87	---	---	---	1950
1951	---	---	---	---	40.6	50.4	45.8	15.1	20.4	14.0	---	---	---	1951
1952	---	---	2.18	9.13	22.7	28.2	16.5	8.80	5.35	3.82	---	---	12.0	1952
1953	---	---	1.63	2.55	25.1	87.0	25.1	7.51	4.21	3.67	---	---	18.5	1953
1954	---	--	2.07	2.02	29.1	46.8	28.5	9.01	6.42	7.95	---	---	16.6	1954
1955	---	---	1.84	2.36	12.7	38.4	24.2	6.68	3.92	4.59	---	---	11.8	1955
1956	---	---	1.47	4.05	32.6	35.9	25.1	8.27	4.80	3.53	---	---	14.5	1956
1957	---	---	1.12	2.51	31.6	24.3	8.54	4.46	3.76	3.20	---	---	9.93	1957
1958	---	---	1.30	2.51	29.6	20.7	19.8	7.80	4.67	3.19	---	---	11.2	1958
1959	---	---	1.80	2.80	20.6	40.1	18.9	6.36	6.77	5.15	---	---	12.5	1959
1960	---	---	2.71	5.18	18.4	34.4	13.7	6.36	3.85	2.51	---	---	10.8	1960
1961	---	---	1.76	1.92	30.3	42.0	10.8	7.13	5.27	9.50	---	---	13.5	1961
1962	---	---	1.87	7.72	17.9	27.6	11.1	5.00	4.07	2.85	---	---	9.72	1962
1963	---	---	1.78	2.58	14.2	40.7	33.5	6.04	3.25	2.60	---	---	13.1	1963
1964	---	---	1.53	2.06	21.2	56.2	16.8	5.31	4.47	4.28	---	---	13.9	1964
1965	---	---	1.42	3.44	13.8	45.4	26.7	9.51	6.13	7.13	---	---	14.2	1965
1966	---	---	2.12	3.80	25.3	36.7	15.2	6.68	4.00	3.15	---	---	12.1	1966
1967	---	---	1.68	1.62	27.2	72.3	22.1	6.79	4.09	3.17	---	---	17.3	1967
1968	---	---	2.06	2.29	13.6	29.9	16.1	7.48	6.67	7.68	---	---	10.6	1968
1969	---	---	0.760	5.62	26.3	41.7	32.3	7.15	4.29	3.84	---	---	15.2	1969
1970	---	---	1.57	1.78	18.6	44.6	12.5	4.59	3.59	2.94	---	---	11.2	1970
1971	---	---	1.45	3.14	32.2	44.7	14.1	5.85	3.57	3.43	---	---	13.5	1971
1972	---	---	1.54	2.93	34.9	61.8	19.4	11.3	6.51	4.95	---	---	17.9	1972
1973	---	---	1.85	2.28	20.6	38.4	13.2	5.85	5.25	3.44	---	---	11.4	1973
1974	---	---	1.63	4.15	22.8	69.5	20.3	9.56	6.28	4.38	---	---	17.2	1974
1975	---	---	1.69	2.06	16.6	49.7	23.8	8.62	5.12	3.89	---	---	13.9	1975
1976	---	---	1.74	4.14	28.7	21.8	13.6	19.5	7.70	4.18	---	---	12.7	1976
1977	---	---	1.57	2.94	10.6	11.9	4.73	7.08	5.84	4.17	---	---	6.10	1977
1978	---	---	1.68	3.03	17.5	39.3	20.6	7.84	5.88	4.50	---	---	12.4	1978
1979	---	---	1.48	2.55	20.3	24.5	9.66	5.87	3.89	2.48	---	---	8.80	1979
1980	---	---	1.49	7.08	29.3	37.8	9.57	6.19	5.97	5.71	---	---	13.1	1980
1981	---	---	2.21	3.96	41.4	44.0	23.2	10.8	4.81	3.83	---	---	16.7	1981
1982	---	---	1.48	2.03	12.2	30.4	11.4	4.52	3.98	3.60	---	---	8.84	1982
1983	---	---	1.56	3.08	17.6	22.5	11.7	4.42	3.12	2.74	---	---	8.32	1983
1984	---	---	1.47	2.59	8.75	23.8	9.76	4.27	2.98	2.90	---	---	7.03	1984
1985	---	---	1.26	2.79	16.5	19.3	6.68	5.63	12.0	8.31	---	---	9.03	1985
1986	---	---	2.63	4.98	27.9	34.2	10.3	5.20	5.08	6.37	---	---	12.1	1986
MEAN	---	---	1.70	3.42	23.1	38.4	17.8	7.45	5.42	4.59	---	---	12.5	MEAN

LOCATION - LAT 50 24 20 N LONG 114 29 50 W DRAINAGE AREA, 774 km² NATURAL FLOW

HIGHWOOD RIVER AT DIEBEL'S RANCH - STATION NO. 05BL019

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1950	---	---	---	---	1950
1951	115 AT 02:00 MST ON JUN 15	107 ON JUN 15	---	---	1951
1952	53.5 AT 10:30 MST ON JUN 12	43.0 ON JUN 12	2.01 A ON MAR 8	254 000	1952
1953	283 AT 01:00 MST ON JUN 9 *	217 ON JUN 9 *	1.73 E ON MAR 24	412 000	1953
1954	89.8 AT 22:00 MST ON MAY 19	72.2 ON MAY 20	1.61 B ON APR 6	351 000	1954
1955	71.8 AT 02:00 MST ON JUN 13	53.4 ON JUN 13	1.78 B ON MAR 1	250 000	1955
1956	80.5 AT 23:00 MST ON MAY 20	78.2 ON MAY 21	1.25 B ON MAR 1	306 000	1956
1957	47.0 AT 08:00 MST ON MAY 20	45.0 ON MAY 20	0.5108 ON MAR 1	210 000	1957
1958	47.9 AT 01:00 MST ON MAY 23	44.2 ON MAY 21	0.9838 ON MAR 1	237 000	1958
1959	80.9 AT 02:00 MST ON JUN 6	56.4 ON JUN 6	1.70 A ON MAR 18	285 000	1959
1960	81.2 AT 22:00 MST ON JUN 3	56.1 ON JUN 3	1.93 B ON MAR 12	232 000	1960
1961	119 AT 08:00 MST ON MAY 27	111 ON MAY 27	1.70 B ON MAR 10	287 000	1961
1962	38.2 AT 04:00 MST ON JUN 18	36.8 ON JUN 17	1.78 ON MAR 24	205 000	1962
1963	186 AT 20:00 MST ON JUN 29	133 ON JUN 30	1.42 B ON MAR 1	277 000	1963
1964	113 AT 18:00 MST ON JUN 8	105 ON JUN 8	1.32 B ON MAR 18	295 000	1964
1965	138 AT 05:00 MST ON JUN 18	123 ON JUN 18	1.20 B ON MAR 1	301 000	1965
1966	86.5 AT 23:00 MST ON JUN 4	63.1 ON JUN 5	1.72 B ON MAR 1	258 000	1966
1967	258 AT 18:00 MST ON MAY 30	169 ON MAY 31	1.35 ON APR 6	385 000	1967
1968	43.8 AT 24:00 MST ON JUN 10	42.2 ON JUN 10	1.85 B ON MAR 1	224 000	1968
1969	94.9 AT 16:48 MST ON JUN 29	90.0 ON JUN 29	0.576 ON MAR 20	322 000	1969
1970	101 AT 23:08 MST ON JUN 13	87.8 ON JUN 14	1.42 B ON MAR 1	237 000	1970
1971	93.2 AT 09:30 MST ON JUN 8	88.3 ON JUN 6	1.13 B ON MAR 1	286 000	1971
1972	134 AT 00:30 MST ON JUN 1	121 ON JUN 1	0.3969 ON MAR 2 *	378 000	1972
1973	84.6 AT 08:00 MST ON JUN 7	60.9 ON JUN 7	1.48 ON MAR 5	241 000	1973
1974	143 AT 02:30 MST ON JUN 17	127 ON JUN 17	1.42 B ON MAR 8	384 000	1974
1975	174 AT 00:30 MST ON JUN 20	130 ON JUN 20	1.81 ON APR 10	294 000	1975
1976	101 AT 15:00 MST ON AUG 6	60.6 ON AUG 6	1.65 B ON MAR 19	289 000	1976
1977	19.7 AT 03:00 MST ON JUN 8	18.2 ON JUN 8	1.50 B ON MAR 11	139 000	1977
1978	77.3 AT 03:00 MST ON JUN 6	70.5 ON JUN 6	1.00 B ON MAR 1	254 000	1978
1979	68.7 AT 03:00 MST ON MAY 27	60.1 ON MAY 27	0.9448 ON MAR 27	185 000	1979
1980	70.1 AT 07:30 MST ON MAY 25	65.9 ON MAY 25	1.41 B ON MAR 21	277 000	1980
1981	148 AT 01:30 MST ON MAY 26	124 ON MAY 26	2.09 ON MAR 23	354 000	1981
1982	46.3 AT 01:40 MST ON JUN 15	43.5 ON JUN 16	1.40 B ON MAR 1	183 000	1982
1983	46.9 AT 02:33 MST ON MAY 30	42.9 ON MAY 30	1.41 ON MAR 29	176 000	1983
1984	35.8 AT 01:53 MST ON MAY 31	31.4 ON JUN 15	1.30 B ON OCT 31	149 000	1984
1985	40.5 AT 23:44 MST ON SEP 12	34.5 ON MAY 25	0.9808 ON MAR 7	191 000	1985
1986	105 AT 01:25 MST ON MAY 29	95.2 ON MAY 29	2.22 ON MAR 19	255 000	1986
				285 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

HIGHWOOD RIVER AT HIGH RIVER - STATION NO. 05BL003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	---	---	---	---	9.89	5.53	5.26	---	---	---	1908
1909	---	---	---	5.38	44.5	76.1	43.0	15.5	6.33	4.12	---	---	---	1909
1910	---	---	---	7.32	24.3	27.0	10.5	4.87	8.77	8.89	---	---	---	1910
1911	---	---	---	4.80	21.3	81.5	17.1	24.1	27.6	11.4	---	---	---	1911
1912	---	---	---	8.48	20.7	36.1	33.2	17.8	8.28	6.25	---	---	---	1912
1913	---	---	---	---	21.7	41.9	19.5	15.0	9.04	7.72	5.52	2.42	---	1913
1914	1.95	1.45	1.88	7.48	24.5	34.2	15.6	4.89	3.98	8.29	4.88	2.33	9.33	1914
1915	2.40	2.09	2.06	7.23	55.8	81.5	95.9	22.5	9.84	10.1	4.90	3.99	21.7	1915
1916	3.35	3.95	5.29	---	---	---	---	---	---	---	---	---	---	1916
1982	---	---	1.86	5.29	15.7	42.2	15.7	4.88	4.71	4.85	2.88	2.10	---	1982
1983	1.80	2.12	2.82	7.47	23.3	26.1	12.4	4.74	3.46	3.33	2.23	1.30	7.51	1983
1984	1.92	1.91	2.19	3.51	9.02	24.7	9.09	3.80	2.88	2.75	2.47	1.44	5.83	1984
1985	1.50	1.27	3.24	5.70	18.3	30.8	5.48	5.20	18.9	9.62	4.33	3.77	8.01	1985
1986	3.11	6.74	5.29	7.85	37.0	---	---	---	---	---	---	---	---	1986
MEAN	2.29	2.79	3.05	6.36	26.4	42.0	21.8	11.1	8.95	6.95	3.84	2.48	10.4	MEAN

LOCATION - LAT 50 35 00 N DRAINAGE AREA, 1 980 km²
LONG 113 52 20 W REGULATED

HIGHWOOD RIVER AT HIGH RIVER - STATION NO. 05BL003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1908	---	---	---	---	1908
1909	---	125 ON JUN 3	---	---	1909
1910	---	48.7 ON MAY 25	---	---	1910
1911	---	93.0 ON JUN 3	---	---	1911
1912	---	190 ON JUN 15	---	---	1912
1913	---	82.9 ON MAY 31	---	---	1913
1914	---	54.4 ON JUN 4	1.32 B ON FEB 5	294 000	1914
1915	---	227 ON JUN 25 *	0.850 ON MAR 27 *	682 000	1915
1916	---	---	---	33 100	1916
1982	80.7 AT 09:44 MST ON JUN 15	58.2 ON JUN 15	---	---	1982
1983	53.6 AT 11:57 MST ON MAY 30	50.8 ON MAY 30	0.9448 ON DEC 21	237 000	1983
1984	40.4 AT 11:30 MST ON MAY 31	37.0 ON JUN 15	0.8598 ON OCT 30	178 000	1984
1985	84.8 AT 03:56 MST ON SEP 13 *	71.9 ON SEP 13	0.8598 ON MAR 12	283 000	1985
1986	---	108 ON MAY 29	1.49 B ON FEB 15	---	1986
				280 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

HIGHWOOD RIVER BELOW LITTLE BOW CANAL - STATION NO. 05BL004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1985	---	---	---	---	---	38.6	8.83	3.81	6.92	10.7	6.80	3.80	---	1985
MEAN	---	---	---	---	---	38.6	8.83	3.81	6.92	10.7	6.80	3.80	---	MEAN

LOCATION - LAT 50 35 08 N
LONG 113 52 07 W REGULATED

HIGHWOOD RIVER BELOW LITTLE BOW CANAL - STATION NO. 05BL004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1985	117 AT 09:28 MST ON MAY 29 *	107 ON MAY 29 *	---	---	1985
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

HIGHWOOD RIVER BELOW PICKLEJAR CREEK - STATION NO. 05BL021

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	---	---	---	---	1.84	2.52	---	---	---	1965
1966	---	---	---	1.18	9.10	10.0	4.44	2.04	1.10	0.934	---	---	4.59	1966
1967	---	---	---	---	8.88	22.2	8.64	2.38	1.21	0.774	---	---	6.87	1967
1968	---	---	0.418	0.503	5.70	10.9	5.14	2.24	1.85	1.39	---	---	4.48	1968
1969	---	---	---	---	9.38	12.4	7.95	1.52	1.00	0.832	---	---	5.50	1969
1970	---	---	---	---	4.25	12.0	3.00	1.14	0.784	0.830	---	---	3.81	1970
1971	---	---	---	0.533	9.79	15.0	5.09	1.81	1.05	0.874	---	---	5.58	1971
1972	---	---	---	---	8.54	20.2	8.39	3.03	1.45	1.16	---	---	6.75	1972
1973	---	---	---	0.414	5.87	13.7	4.70	1.66	1.40	0.836	---	---	4.84	1973
1974	---	---	---	---	4.61	23.3	7.90	3.41	1.85	1.30	---	---	6.85	1974
1975	---	---	---	---	3.39	14.7	6.13	2.23	1.19	0.922	---	---	5.05	1975
1976	---	---	---	---	10.4	8.34	5.29	4.18	2.39	0.974	---	---	5.26	1976
1977	---	---	---	---	3.50	4.74	1.64	2.68	1.83	1.38	---	---	2.80	1977
1978	---	---	---	---	5.18	14.5	5.85	2.15	1.77	1.54	---	---	5.14	1978
1979	---	---	---	---	6.13	9.79	3.40	1.83	1.04	0.892	---	---	3.75	1979
1980	---	---	---	---	11.5	11.7	2.75	2.25	1.68	1.40	---	---	5.18	1980
1981	---	---	---	---	9.83	11.0	6.89	2.83	1.15	0.798	---	---	5.35	1981
1982	---	---	---	---	4.10	12.2	3.75	1.41	1.26	1.17	---	---	3.95	1982
1983	---	---	---	---	5.80	6.14	4.45	1.54	0.885	0.890	---	---	3.73	1983
1984	---	---	---	---	2.50	7.82	2.78	1.51	0.971	0.818	---	---	2.88	1984
1985	---	---	---	---	5.93	8.97	2.56	1.97	2.00	1.62	---	---	3.86	1985
MEAN	---	---	0.418	0.550	6.84	12.4	5.09	2.19	1.44	1.11	---	---	4.78	MEAN

LOCATION - LAT 50 28 55 N
LONG 114 49 02 W
DRAINAGE AREA, 132 km²
NATURAL FLOW

HIGHWOOD RIVER BELOW PICKLEJAR CREEK - STATION NO. 05BL021

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1965	---	---	---	---	1965
1966	25.2 AT 23:00 MST ON MAY 30	21.8 ON MAY 31	0.885 ON OCT 23	73 000	1966
1967	41.6 AT 17:00 MST ON MAY 30	34.3 ON MAY 30	0.851 ON OCT 24	111 000	1967
1968	18.6 AT 23:50 MST ON JUN 3	16.0 ON JUN 3	0.920 ON OCT 31	71 400	1968
1969	32.2 AT 20:40 MST ON JUN 4	19.3 ON JUL 1	0.671 ON OCT 25	87 400	1969
1970	27.5 AT 02:09 MST ON JUN 14	22.2 ON JUN 14	0.323 ON MAY 2 *	57 300	1970
1971	33.7 AT 04:30 MST ON JUN 6	30.9 ON JUN 6	0.7368 ON OCT 31	88 700	1971
1972	44.5 AT 22:30 MST ON JUN 10	37.9 ON MAY 31	0.854 ON MAY 1	107 000	1972
1973	28.3 AT 03:30 MST ON JUN 7	25.6 ON JUN 7	0.553 ON MAY 1	74 100	1973
1974	52.7 AT 05:30 MST ON JUN 15 *	43.9 ON JUN 15 *	0.806A ON OCT 31	109 000	1974
1975	30.6A AT 00:00 MST ON JUN 20	27.4 A ON JUN 20	0.515 ON MAY 2	80 300	1975
1976	20.3 AT 20:00 MST ON MAY 10	17.4 ON MAY 10	0.583 ON OCT 30	83 600	1976
1977	10.3 AT 23:30 MST ON JUN 7	9.54 ON JUN 8	0.472A ON OCT 31	41 600	1977
1978	29.2 AT 21:30 MST ON JUN 5	22.7 ON JUN 6	1.03 A ON OCT 31	81 700	1978
1979	25.6 AT 23:00 MST ON MAY 26	19.6 ON MAY 27	0.490E ON OCT 31	80 300	1979
1980	23.6 AT 23:30 MST ON MAY 25	21.4 ON MAY 26	1.04 ON OCT 23	82 000	1980
1981	36.6 AT 01:00 MST ON MAY 26	32.6 ON MAY 26	0.5488 ON OCT 31	85 200	1981
1982	20.9 AT 22:10 MST ON JUN 16	18.5 ON JUN 16	0.8199 ON OCT 31	83 000	1982
1983	---	24.0 E ON MAY 26	0.7618 ON OCT 24	89 300	1983
1984	15.7 AT 19:23 MST ON MAY 30	11.5 ON JUN 14	0.3788 ON OCT 31	45 900	1984
1985	15.6 ON MAY 25	13.7 A ON MAY 25	0.973 ON MAY 1	58 200	1985
				76 000	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

HIGHWOOD RIVER DIVERSION CANAL - STATION NO. 05BL017

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1935	---	---	---	---	---	---	---	---	0.070	0.029	---	---	---	1935
1936	---	---	0	0	0.015	0.035	---	---	---	---	---	---	---	1936
MEAN	---	---	0	0	0.015	0.035	---	---	0.070	0.029	---	---	---	MEAN

LOCATION - LAT 50 32 33 N
LONG 113 58 08 W
REGULATED

HIGHWOOD RIVER DIVERSION CANAL - STATION NO. 05BL017

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1935	---	---	0 ON SEP 13 *	---	1935
1936	---	---	0 ON MAR 1	---	1936
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

HIGHWOOD RIVER NEAR ALDERSYDE - STATION NO 05BL009

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	---	---	47.9	46.5	21.2	---	7.86	---	---	---	1912
1913	---	---	---	---	39.4	48.3	22.4	21.3	10.1	9.11	---	---	---	1913
1914	---	---	---	7.62	35.1	36.8	18.2	5.29	4.22	8.55	---	---	---	1914
1915	---	---	---	7.25	59.5	95.7	68.1	28.3	13.1	12.0	---	---	---	1915
1916	---	---	7.29	12.8	35.2	148	67.1	35.1	24.7	16.6	10.3	4.85	43.2	1916
1917	5.09	2.23	2.00	9.33	63.3	117	29.6	10.3	6.75	5.22	4.91	2.30	30.2	1917
1918	2.00	0.861	1.86	7.37	18.8	39.4	16.0	12.2	8.32	6.36	4.19	3.64	13.7	1918
1919	1.89	1.56	1.97	6.14	31.0	23.2	8.95	12.6	4.88	3.81	1.98	2.23	11.5	1919
1920	1.73	1.90	2.41	14.9	---	44.6	57.7	48.0	11.2	4.91	3.54	2.43	1.72	23.3	1920
1921	1.62	1.33	2.16	7.10	29.2	39.8	14.5	6.89	4.16	3.84	2.71	2.44	13.4	1921
1922	1.88	1.62	1.46	5.78	30.8	40.9	16.2	6.35	3.85	2.90	2.10	1.11	13.5	1922
1923	0.991	0.931	2.70	6.81	21.0	140	30.3	13.2	6.86	5.02	3.33	2.85	27.8	1923
1924	1.82	2.17	3.17	11.0	35.8	51.2	22.1	22.0	7.48	5.01	2.90	2.19	18.2	1924
1925	1.83	2.46	5.90	24.1	37.8	47.9	15.4	8.06	7.32	11.9	7.13	4.19	19.7	1925
1926	2.60	2.81	4.11	13.3	13.4	31.9	19.7	6.69	36.3	23.9	11.9	5.55	18.4	1926
1927	2.49	2.33	4.18	9.83	41.8	95.6	38.1	36.2	49.6	38.3	9.90	3.81	39.2	1927
1928	2.83	5.82	17.6	15.4	62.6	74.7	46.2	13.1	9.88	8.92	5.73	3.84	28.5	1928
1929	2.61	3.00	5.16	9.16	62.6	102	15.3	6.61	4.61	4.37	2.36	1.70	23.6	1929
1930	1.87	2.53	4.08	20.4	36.6	55.8	22.7	7.42	5.48	4.16	2.90	1.81	19.5	1930
1931	1.85	2.17	3.78	6.84	16.7	22.7	8.92	---	---	---	---	---	---	1931
1933	---	---	---	---	---	38.0	50.3	16.3	7.17	---	---	---	---	1933
1934	---	---	---	---	---	33.9	31.6	12.9	4.00	3.49	3.84	4.25	---	1934
1935	---	---	---	7.01	18.8	35.4	18.1	7.56	4.15	3.71	---	---	---	1935
1936	---	---	1.80	7.36	16.5	25.4	6.76	2.43	1.09	0.882	---	---	7.80	1936
1937	---	---	0.316	2.84	13.0	38.0	12.2	8.14	4.29	---	---	---	---	1937
1938	---	---	---	6.13	26.0	80.7	26.9	6.08	3.85	3.36	---	---	---	1938
1939	---	---	2.92	6.56	17.2	81.8	24.0	6.90	5.12	5.81	---	---	16.0	1939
1940	---	---	2.13	11.3	38.9	27.6	9.59	5.37	17.5	11.8	---	---	15.5	1940
1941	---	---	---	3.90	8.93	21.7	6.93	8.75	13.8	12.8	---	---	---	1941
1942	---	---	2.30	8.37	89.9	91.0	46.6	26.3	24.9	12.5	---	---	37.8	1942
1943	---	---	---	24.6	27.8	39.6	26.6	7.37	4.34	3.49	---	---	---	1943
1944	---	---	2.11	4.76	8.25	13.8	8.03	5.18	3.72	2.81	---	---	6.19	1944
1945	---	---	1.88	2.93	38.7	83.4	36.2	10.2	8.87	9.33	---	---	23.7	1945
1946	---	---	5.33	9.88	38.6	81.4	24.7	10.5	15.0	9.49	---	---	21.8	1946
1947	---	---	13.3	21.5	96.7	57.3	20.8	10.8	13.6	14.2	---	---	28.0	1947
1948	---	---	1.62	22.3	77.8	72.1	24.7	14.8	5.42	4.57	---	---	27.8	1948
1949	---	---	2.08	6.76	25.9	27.0	9.30	3.45	2.72	3.27	---	---	10.3	1949
1950	---	---	2.39	7.63	36.7	55.4	21.8	8.10	3.38	2.83	---	---	17.2	1950
1951	---	---	---	10.8	88.8	88.6	73.5	27.2	47.7	35.6	---	---	---	1951
1952	---	---	9.89	28.6	39.1	52.0	29.8	13.3	7.19	4.93	---	---	24.3	1952
1953	---	---	5.00	14.3	51.8	140	38.4	11.5	5.70	4.54	---	---	33.6	1953
1954	---	---	4.39	11.3	50.9	85.3	36.7	15.2	12.4	13.1	---	---	28.1	1954
1955	---	---	3.89	11.4	36.8	54.5	38.9	8.84	5.26	6.10	---	---	20.8	1955
1956	---	---	6.00	13.2	49.6	45.1	35.6	10.3	5.62	4.58	---	---	21.0	1956
1957	---	---	3.85	11.2	41.8	39.9	10.0	5.30	4.58	4.36	3.74	2.30	13.8	1957
1958	1.70	1.65	2.27	20.6	47.3	32.0	35.9	11.9	6.53	4.43	3.27	2.85	20.1	1958
1959	1.89	1.81	8.81	9.78	33.4	52.9	19.8	6.85	7.87	6.56	5.63	3.85	17.9	1959
1960	2.59	2.86	9.46	9.53	32.0	42.2	15.2	7.39	3.25	2.41	2.57	3.35	15.1	1960
1961	1.87	2.05	4.19	3.02	40.6	47.0	11.1	8.52	5.89	13.8	8.80	2.87	16.7	1961
1962	3.54	4.21	5.86	14.9	35.3	34.7	12.1	4.87	4.32	3.42	2.43	2.38	13.1	1962
1963	1.24	3.46	3.84	3.80	17.9	55.0	83.2	6.37	3.79	2.56	2.60	2.95	18.1	1963
1964	1.89	1.73	1.51	2.78	33.1	71.6	19.5	8.22	5.32	4.86	3.25	1.18	18.0	1964
1965	2.12	3.89	4.71	12.4	19.3	62.8	37.4	11.4	10.4	11.4	6.98	3.10	21.1	1965
1966	3.46	2.66	4.97	9.60	33.8	80.7	20.9	9.68	5.04	4.42	4.29	3.03	16.9	1966
1967	2.89	3.20	4.86	6.07	51.9	112	27.7	7.81	3.97	3.30	2.61	1.32	26.7	1967
1968	1.65	1.86	2.72	3.94	16.2	40.7	18.3	10.1	8.84	9.86	4.98	3.30	14.0	1968
1969	2.35	2.42	9.69	25.2	44.9	71.6	82.8	8.91	4.70	4.02	3.18	2.83	28.9	1969
1970	1.62	1.70	2.83	9.76	28.9	55.5	16.2	4.91	3.68	3.31	2.45	1.46	15.5	1970
1971	1.28	4.80	2.81	15.2	39.5	58.1	15.2	5.46	3.98	3.71	3.37	1.85	17.9	1971
1972	1.91	1.73	6.84	10.3	52.5	75.9	23.1	12.3	7.32	6.22	4.47	2.00	24.5	1972
1973	2.31	2.12	5.37	6.30	30.2	48.5	15.2	8.12	6.41	4.21	3.08	2.51	15.2	1973
1974	1.82	1.95	5.14	15.5	49.9	88.1	24.5	10.6	8.04	8.15	3.49	2.38	25.8	1974
1975	1.81	1.46	1.98	8.70	32.3	89.1	34.8	10.7	5.53	4.52	2.58	2.34	20.9	1975
1976	2.31	2.23	4.16	9.17	34.0	22.1	13.3	30.6	9.04	5.21	3.14	2.89	16.0	1976
1977	2.06	2.91	2.82	4.88	11.6	11.9	4.91	7.11	5.92	5.01	2.53	2.09	6.87	1977
1978	1.87	1.54	8.00	8.44	32.3	54.6	26.5	10.3	7.86	5.82	3.05	2.01	18.9	1978
1979	1.38	1.99	7.38	9.36	31.6	28.2	9.91	5.62	4.07	2.84	1.76	1.65	12.4	1979
1980	0.839	1.20	1.76	13.9	31.6	46.2	9.73	9.18	7.10	6.54	4.35	4.51	15.6	1980
1981	3.43	3.84	3.76	4.36	63.8	59.3	28.0	11.5	4.47	3.36	2.62	1.48	22.3	1981
1982	1.19	1.35	1.77	6.52	13.7	39.0	14.2	3.23	3.33	3.99	---	---	10.5	1982
1983	---	---	2.70	7.41	31.4	22.7	11.4	3.91	2.85	2.60	---	---	9.32	1983
1984	---	---	1.97	3.64	8.08	25.0	7.78	2.30	2.26	2.00	---	---	6.65	1984
1985	---	---	2.27	7.85	16.4	18.0	3.41	4.27	16.2	10.4	---	---	9.92	1985
1986	---	---	5.15	6.91	34.4	38.1	8.98	3.77	6.97	10.8	---	---	14.3	1986
MEAN	2.18	2.38	4.19	10.2	34.8	55.2	24.2	10.5	8.60	7.27	4.15	2.84	18.4	MEAN

LOCATION - LAT 50 41 06 N DRAINAGE AREA 2 340 km²
LONG 113 51 22 W REGULATED SINCE 1910

HIGHWOOD RIVER NEAR ALDERSYDE - STATION NO. 05BL005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	303 ON JUN 16	---	---	1912
1913	---	76.7 ON JUN 28	---	---	1913
1914	---	80.6 ON JUN 4	---	---	1914
1915	396 ON JUN 26	326 ON JUN 26	---	---	1915
1916	---	289 ON JUN 29	3.40 E ON MAR 1	914 000	1916
1917	---	204 ON JUN 3	1.80 B ON MAR 1	840 000	1917
1918	---	88.6 ON JUN 11	0.5588 ON MAR 7	291 000	1918
1919	---	72.2 ON MAY 28	1.19 B ON MAR 14	244 000	1919
1920	---	93.7 ON MAY 9	0.9918 ON MAR 15	493 000	1920
1921	---	82.6 ON JUN 8	0.8238 ON MAR 14	284 000	1921
1922	---	86.8 ON JUN 5	1.22 B ON MAR 4	285 000	1922
1923	643 AT 19:30 MST ON JUN 1	501 ON JUN 1 *	1.14 B ON MAR 5	589 000	1923
1924	---	102 ON JUN 15	2.01 B ON MAR 3	386 000	1924
1925	---	100 ON MAY 22	1.14 B ON MAR 1	417 000	1925
1926	---	85.2 ON JUN 20	3.51 B ON APR 2	390 000	1926
1927	---	181 ON JUN 11	3.20 B ON MAR 1	830 000	1927
1928	---	178 ON JUN 18	5.85 ON OCT 6	804 000	1928
1929	581 AT 17:00 MST ON JUN 3	490 ON JUN 3	2.58 B ON MAR 1	497 000	1929
1930	---	89.5 ON JUN 8	2.52 B ON MAR 24	413 000	1930
1931	34.8 AT 18:00 MST ON JUN 18	34.5 ON JUN 18	1.10 B ON MAR 12	---	1931
1933	---	88.1 ON JUN 16	---	---	1933
1934	---	67.4 ON JUN 6	---	---	1934
1935	46.4 AT 18:00 MST ON JUN 18	45.0 ON JUN 18	---	---	1935
1936	---	46.4 ON JUN 2	0.2838 ON MAR 1	185 000	1936
1937	107 IN JUN	101 ON JUN 14	0.1138 ON MAR 25 *	---	1937
1938	140 AT 08:00 MST ON MAY 25	139 ON MAY 25	---	---	1938
1939	135 AT 12:00 MST ON JUN 17	132 ON JUN 17	0.5668 ON MAR 1	339 000	1939
1940	---	78.4 ON MAY 27	1.70 B ON MAR 1	327 000	1940
1941	---	58.4 ON JUN 3	---	---	1941
1942	708 AT 02:00 MST ON MAY 12 *	447 ON MAY 12	1.70 B ON MAR 1	801 000	1942
1943	---	52.1 ON MAY 31	---	---	1943
1944	---	17.0 ON MAY 27	1.08 B ON MAR 1	131 000	1944
1945	135 AT 08:45 MST ON JUN 28	133 ON JUN 28	1.10 B ON APR 14	501 000	1945
1946	---	129 ON JUN 8	3.37 B ON MAR 9	455 000	1946
1947	---	128 ON MAY 11	2.27 B ON MAR 1	549 000	1947
1948	289 AT 20:15 MST ON MAY 23	250 ON MAY 24	0.5868 ON MAR 1	589 000	1948
1949	---	52.4 ON MAY 22	1.42 B ON MAR 14	218 000	1949
1950	---	90.3 ON JUN 16	1.50 B ON MAR 14	385 000	1950
1951	---	172 ON AUG 31	---	---	1951
1952	---	124 ON JUN 13	2.80 B ON MAR 14	514 000	1952
1953	510 AT 15:00 MST ON JUN 9	413 ON JUN 9	2.66 B ON MAR 1	712 000	1953
1954	---	114 ON MAY 20	1.42 B ON APR 2	551 000	1954
1955	---	108 ON MAY 19	2.01 B ON MAR 1	437 000	1955
1956	---	118 ON MAY 21	1.33 B ON MAR 16	445 000	1956
1957	---	58.6 ON MAY 15	1.73 B ON MAR 1	292 000	1957
1958	74.58 AT 12:30 MST ON APR 14	73.1 ON JUL 7	1.08 B ON MAR 14	426 000	1958
1959	73.9 AT 13:00 MST ON JUN 28	70.6 ON JUN 28	1.27 B ON MAR 1	378 000	1959
1960	---	72.5 ON MAY 13	1.42 B ON MAR 14	320 000	1960
1961	---	136 ON MAY 28	1.39 B ON MAR 7	355 000	1961
1962	48.7 AT 22:00 MST ON JUN 18	47.0 ON JUN 18	1.85 B ON MAR 13	278 000	1962
1963	447 AT 13:00 MST ON JUN 30	378 ON JUN 30	1.31 B ON MAR 16	385 000	1963
1964	158 AT 03:00 MST ON JUN 18	139 ON JUN 18	0.8838 ON MAR 8	382 000	1964
1965	204 AT 16:00 MST ON JUN 18	180 ON JUN 18	2.19 B ON MAR 25	447 000	1965
1966	112 AT 11:00 MST ON JUN 5	108 ON JUN 5	2.41 B ON MAR 3	358 000	1966
1967	345 AT 15:00 MST ON MAY 31	320 ON MAY 31	1.93 B ON MAR 14	585 000	1967
1968	88.8 AT 18:00 MST ON JUN 9	87.7 ON JUN 11	2.35 B ON MAR 1	295 000	1968
1969	277 AT 23:00 MST ON JUN 29	238 ON JUN 29	2.12 B ON MAR 1	512 000	1969
1970	223 AT 08:39 MST ON JUN 14	193 ON JUN 14	2.04 B ON MAR 1	328 000	1970
1971	152 AT 02:00 MST ON JUN 7	142 ON JUN 7	1.56 B ON MAR 28	378 000	1971
1972	158 AT 11:00 MST ON JUN 1	150 ON JUN 1	1.87 B ON MAR 1	518 000	1972
1973	79.9 AT 17:00 MST ON MAY 26	71.6 ON MAY 26	3.54 B ON MAR 1	323 000	1973
1974	162 AT 15:00 MST ON JUN 17	153 ON JUN 17	2.15 B ON MAR 9	547 000	1974
1975	238 AT 16:30 MST ON JUN 20	191 ON JUN 20	1.42 B ON MAR 28	442 000	1975
1976	173 AT 11:30 MST ON AUG 6	150 ON AUG 6	1.50 B ON MAR 1	338 000	1976
1977	18.8 AT 07:00 MST ON MAY 12	18.3 ON JUN 9	2.05 B ON MAR 17	145 000	1977
1978	106 AT 13:30 MST ON JUN 6	96.6 ON JUN 6	1.10 B ON MAR 2	400 000	1978
1979	86.2 AT 14:00 MST ON MAY 27	76.5 ON MAY 27	2.03 B ON MAR 1	262 000	1979
1980	82.8 AT 08:30 MST ON MAY 27	68.5 ON MAY 27	1.20 B ON MAR 5	331 000	1980
1981	202 AT 13:15 MST ON MAY 26	177 ON MAY 26	2.50 B ON MAR 21	473 000	1981
1982	56.2 AT 13:24 MST ON JUN 16	52.9 ON JUN 16	1.40 B ON MAR 1	223 000	1982
1983	51.4 AT 14:22 MST ON MAY 30	47.9 ON MAY 30	2.00 B ON MAR 1	187 000	1983
1984	35.7 AT 18:51 MST ON JUN 15	34.0 ON JUN 18	0.2878 ON OCT 31	138 000	1984
1985	83.7 AT 08:57 MST ON SEP 13	67.7 ON SEP 13	0.8008 ON MAR 10	210 000	1985
1988	117 AT 12:24 MST ON MAY 29	108 ON MAY 29	2.57 ON AUG 28	304 000	1988
				410 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

HIGHWOOD RIVER NEAR THE MOUTH - STATION NO. 05BL024

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	---	---	50.8	101	28.5	7.79	4.98	4.56	3.69	2.56	---	1970
1971	2.04	5.32	3.88	30.7	83.6	92.0	22.1	8.25	5.96	5.87	3.42	2.39	20.4	1971
1972	2.20	2.33	18.7	21.2	79.2	104	33.8	18.4	11.0	8.87	5.74	3.15	25.8	1972
1973	3.24	3.24	7.30	13.9	51.0	74.8	23.0	9.80	11.5	8.47	4.15	3.48	17.7	1973
1974	2.37	2.91	6.80	30.7	90.2	130	35.2	17.4	14.5	9.80	5.20	3.34	29.1	1974
1975	2.56	2.34	3.12	19.3	50.1	102	53.3	16.7	8.56	7.09	4.04	3.87	22.8	1975
1976	3.62	2.78	5.50	14.1	51.8	35.5	20.0	45.5	13.4	7.74	4.07	3.22	17.4	1976
1977	2.32	3.41	4.27	9.42	18.0	17.4	7.33	13.0	10.7	6.57	3.42	2.49	6.36	1977
1978	2.20	1.97	11.6	16.2	55.5	85.4	42.7	16.1	12.5	8.78	5.86	3.97	22.0	1978
1979	2.37	2.15	7.75	18.2	51.8	41.5	14.5	9.07	5.58	3.82	2.12	1.80	13.4	1979
1980	1.11	1.83	2.49	23.8	48.2	80.7	16.5	14.9	12.5	10.7	6.10	6.81	18.9	1980
1981	5.00	4.71	5.71	6.84	111	91.4	44.0	21.5	7.83	6.71	4.02	2.20	25.9	1981
1982	1.43	1.66	2.42	10.9	20.7	64.8	26.0	6.29	6.07	7.34	3.80	2.85	12.8	1982
1983	2.95	2.92	3.94	15.4	40.1	35.0	19.4	5.83	3.98	3.93	3.43	2.13	11.6	1983
1984	2.00	1.96	2.80	6.62	13.5	39.9	12.4	4.34	4.23	4.22	2.35	2.03	8.00	1984
1985	1.69	1.27	3.57	12.5	27.4	28.4	6.49	10.7	31.8	15.8	8.84	5.10	12.9	1985
1986	3.84	11.2	8.85	10.1	53.3	56.4	17.0	6.57	15.4	24.3	13.2	4.84	16.9	1986
MEAN	2.54	3.25	6.18	16.2	51.6	69.4	24.8	13.8	10.6	8.50	4.89	3.31	17.9	MEAN

LOCATION - LAT 50 47 00 N DRAINAGE AREA, 3 890 km²
LONG 113 49 13 W REGULATED SINCE 1910

HIGHWOOD RIVER NEAR THE MOUTH - STATION NO. 05BL024

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1970	430 AT 11:30 MST ON JUN 14 *	331 ON JUN 14 *	---	---	1970
1971	278 AT 17:45 MST ON JUN 6	238 ON JUN 7	1.42 B ON JAN 13	645 000	1971
1972	219 AT 10:30 MST ON JUN 1	205 ON JUN 1	1.93 B ON DEC 4	814 000	1972
1973	141 AT 04:10 MST ON MAY 27	124 ON MAY 27	2.83 B ON FEB 7	557 000	1973
1974	232 AT 12:20 MST ON JUN 17	215 ON JUN 17	1.81 B ON JAN 1	919 000	1974
1975	357 AT 15:30 MST ON JUN 20	292 ON JUN 20	1.90 B ON FEB 5	719 000	1975
1976	213 AT 11:00 MST ON AUG 6	178 ON AUG 6	1.68 B ON DEC 7	549 000	1976
1977	31.4 AT 06:30 MST ON MAY 25	29.7 ON MAY 25	1.51 B ON NOV 24	284 000	1977
1978	183 AT 15:40 MST ON JUN 6	154 ON JUN 6	1.80 B ON FEB 15	593 000	1978
1979	126 AT 13:00 MST ON MAY 27	115 ON MAY 27	1.60 B ON DEC 2	424 000	1979
1980	178 AT 10:30 MST ON JUN 4	161 ON JUN 4	0.6208 ON JAN 10	595 000	1980
1981	307 AT 14:00 MST ON MAY 26	285 ON MAY 26	1.72 B ON DEC 31	818 000	1981
1982	88.4 AT 15:14 MST ON JUN 15	84.0 ON JUN 15	0.8508 ON JAN 7	405 000	1982
1983	108 AT 15:53 MST ON APR 25	76.1 ON APR 25	1.28 B ON NOV 26	385 000	1983
1984	54.9 AT 16:58 MST ON MAY 31	51.5 ON JUN 16	0.3008 ON OCT 31 *	253 000	1984
1985	174 AT 10:03 MST ON SEP 13	149 ON SEP 13	0.8908 ON MAR 5	405 000	1985
1986	162 AT 17:06 MST ON MAY 29	153 ON MAY 28	2.00 B ON FEB 15	595 000	1986
				564 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MINES CREEK ABOVE GERRY LAKE - STATION NO. 07FD011

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	---	---	---	---	---	0.288	---	---	---	1974
1975	---	---	0.003	0.481	1.18	0.426	0.375	0.013	0.002	0.002	---	---	0.308	1975
1976	---	---	0	2.52	1.00	2.11	1.70	2.86	0.522	0.172	---	---	1.33	1976
1977	---	---	0.007	1.83	4.16	5.90	0.273	0.044	0.039	0.308	---	---	1.56	1977
1978	---	---	0.028	0.994	4.48	0.416	0.022	0.005	0.108	0.086	---	---	0.771	1978
1979	---	---	0	0.434	5.83	3.05	1.82	0.398	0.056	0.017	---	---	1.45	1979
1980	---	---	0.001	0.186	0.140	0.207	0.040	0.005	0.084	0.078	---	---	0.087	1980
1981	---	---	0.002	1.20	2.22	0.810	0.312	0.033	0.002	0.002	---	---	0.571	1981
1982	---	---	0	0.622	3.80	0.047	0.801	0.156	0.007	0.015	---	---	0.588	1982
1983	---	---	0	0.322	0.485	2.57	2.02	0.672	0.015	0.034	---	---	0.750	1983
1984	---	---	0.025	0.300	5.34	1.61	2.48	0.012	0.054	0.080	---	---	1.34	1984
1985	---	---	0.001	0.885	1.08	0.126	0.128	0.051	0.434	0.711	---	---	0.400	1985
1986	---	---	0	1.03	4.86	0.327	0.039	0.024	0.001	0.006	---	---	0.785	1986
MEAN	---	---	0.006	0.882	2.86	1.55	0.788	0.339	0.108	0.137	---	---	0.829	MEAN

LOCATION - LAT 58 20 03 N DRAINAGE AREA, 374 km²
LONG 118 15 46 W NATURAL FLOW

HINES CREEK ABOVE CERDY LAKE - STATION NO 07FD011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1974	---	---	---	---	1974
1975	---	2 21 ON JUN 30	0 ON AUG 16 *	5 520	1975
1976	10 8 AT 22 00 MST ON JUN 27	5 97 ON JUN 26	0 B ON MAR 1	23 200	1976
1977	24 1 AT 16 00 MST ON JUN 4	23 8 ON JUN 4	0 0088 ON MAR 20	35 900	1977
1978	13 9 AT 18 00 MST ON MAY 24	11 8 ON MAY 25	0 001 ON AUG 16	16 300	1978
1979	12 9 AT 09 30 MST ON MAY 31	12 2 ON MAY 31	0 B ON MAR 1	30 900	1979
1980	0 758 AT 12 00 MST ON JUN 19	0 750 ON JUN 19	0 B ON MAR 1	1 840	1980
1981	7 15 AT 05 00 MST ON MAY 2	6 94 ON MAY 2	0 B ON MAR 1	12 100	1981
1982	10 0 E AT 19 00 MST ON MAY 3	9 26 ON MAY 6	0 B ON MAR 1	12 600	1982
1983	10 6 AT 10 00 MST ON JUL 28	10 0 ON JUL 28	0 B ON MAR 1	16 100	1983
1984	44 6 AT 09 00 MST ON MAY 21 *	34 8 ON MAY 22 *	0 B ON MAR 1	25 400	1984
1985	2 80 AT 09 30 MST ON MAY 6	2 76 ON MAY 6	0 B ON MAR 3	6 480	1985
1986	10 3 AT 00 00 MST ON MAY 6	9 58 ON MAY 6	0 B ON MAR 1	16 200	1986
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		17 895	MEAN

HINES CREEK NEAR FAIRVIEW - STATION NO 07FD008

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	---	---	---	---	0 524	0 025	0	0	---	---	---	1971
1972	---	---	0 209	8 53	11 6	0 624	1 07	1 19	0 025	0 136	---	---	2 92	1972
1973	---	---	0 008	30 3	10 0	4 30	1 71	0 877	1 09	1 64	---	---	4 86	1973
1974	---	---	0 011	43 8	29 5	3 84	0 427	0 317	0 145	1 07	---	---	9 82	1974
1975	---	---	0 004	1 88	1 11	0 376	1 25	0 021	0 028	0 018	---	---	0 583	1975
1976	---	---	0 074	7 58	1 87	1 81	4 52	3 31	1 06	0 533	---	---	2 80	1976
1977	---	---	0 121	6 84	6 79	12 6	0 926	0 138	0 038	0 481	---	---	3 65	1977
1978	---	---	0 152	3 87	5 49	2 38	0 042	0 005	0 026	0 084	---	---	1 82	1978
1979	---	---	0	5 06	11 6	5 74	5 61	0 897	0 087	0 019	---	---	3 73	1979
1980	---	---	0 002	0 357	0 104	1 08	0 140	0 001	0 016	0 029	---	---	0 218	1980
1981	---	---	0 588	5 99	5 05	0 606	0 145	0	0	0	---	---	1 88	1981
1982	---	---	0	3 94	7 00	0 284	0 003	0 207	0	0 014	---	---	1 43	1982
1983	---	---	0	2 09	0 686	2 39	3 21	2 41	0 015	0 020	---	---	1 35	1983
1984	---	---	0 344	1 15	10 2	3 87	3 54	0 193	0 033	0 052	---	---	2 44	1984
1985	---	---	0 787	6 86	1 84	0 170	0 154	0	0 117	0 803	---	---	1 35	1985
1986	---	---	1 25	4 91	8 81	0 689	0 030	0	0	0	---	---	1 85	1986
MEAN	---	---	0 337	8 27	7 52	2 76	1 52	0 584	0 188	0 311	---	---	7 87	MEAN

LOCATION - LAT 56 04 05 N DRAINAGE AREA 1 240 km^2
LONG 118 39 35 W NATURAL FLOW

HINES CREEK NEAR FAIRVIEW - STATION NO 07FD008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	---	---	0 ON MAR 1 *	---	1971
1972	39.4 AT 19 00 MST ON APR 19	33 7 ON APR 20	0 B ON MAR 1	81 600	1972
1973	---	43 9 ON APR 12	0 B ON MAR 1	105 000	1973
1974	---	118 A ON APR 22 *	0 B ON MAR 1	308 000	1974
1975	---	5 418 ON APR 17	0 001 ON AUG 23	12 300	1975
1976	21.5 AT 01 00 MST ON APR 18	17 5 ON APR 18	0 0858 ON MAR 1	55 000	1976
1977	23.8 AT 02 00 MST ON JUN 12	23 2 ON JUN 12	0 0362 ON SEP 9	73 200	1977
1978	11.0 AT 15 30 MST ON MAY 31	10 8 ON MAY 25	0 001 ON AUG 23	34 300	1978
1979	87.7 B AT 04 00 MST ON APR 29 *	59 2 B ON APR 29	0 B ON MAR 1	78 900	1979
1980	8.43 AT 07 00 MST ON JUN 19	6 18 ON JUN 19	0 B ON MAR 3	4 830	1980
1981	18.6 AT 21 00 MST ON APR 23	15 4 ON APR 24	0 B ON MAR 1	35 700	1981
1982	20 9 AT 21 00 MST ON APR 27	15 9 ON APR 27	0 B ON MAR 1	30 300	1982
1983	9 099 AT 13 30 MST ON APR 17	8 258 ON APR 17	0 B ON MAR 1	26 600	1983
1984	52.3 AT 14 00 MST ON MAY 24	52 2 ON MAY 24	0 B ON MAR 1	51 700	1984
1985	---	15 1 B ON APR 11	0 ON JUL 5	28 700	1985
1986	17.8 AT 01 00 MST ON MAY 13	17 1 ON MAY 13	0 B ON MAR 8	41 500	1986
	A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		56 600	MEAN

HINTON STUDY BASIN NO 1 - STATION NO 07AD008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	---	---	---	0 035	---	---	---	---	---	1974
MEAN	---	---	---	---	---	---	---	0 035	---	---	---	---	---	MEAN

LOCATION - LAT 53 41 53 N DRAINAGE AREA 15 8 km^2
LONG 117 33 48 W NATURAL FLOW

DATA CONTRIBUTED BY -
CANADIAN FORESTRY SERVICE (DOE) (CANADA)

HINTON STUDY BASIN NO 1 - STATION NO 07AD008

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1974	0 578A AT 01 30 MST ON MAY 12 *	0 572A ON MAY 12 *	---	---	1974
	A - MANUAL GAUGE (SEE REFERENCE INDEX)	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

HINTON STUDY BASIN NO 14 - STATION NO 07AC006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	---	0 149	0 124	0 086	---	---	---	---	---	1974
MEAN	---	---	---	---	---	0 149	0 124	0 086	---	---	---	---	---	MEAN

LOCATION - LAT 53 42 15 N LONG 118 16 47 W
DRAINAGE AREA, 12.2 km^2
NATURAL FLOW
DATA CONTRIBUTED BY - CANADIAN FORESTRY SERVICE (DOE) (CANADA)

HINTON STUDY BASIN NO 14 - STATION NO 07AC006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1974	0 823 AT 00 20 MST ON JUL 12 *	0 428 ON JUL 12 *	---	---	1974
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

HINTON STUDY BASIN NO 15 - STATION NO 07AF011

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	0 292	0 150	0 151	0 107	---	---	---	---	---	1974
MEAN	---	---	---	---	0 292	0 150	0 151	0 107	---	---	---	---	---	MEAN

LOCATION - LAT 53 18 19 N LONG 117 18 04 W
DRAINAGE AREA, 18 7 km^2
NATURAL FLOW
DATA CONTRIBUTED BY - CANADIAN FORESTRY SERVICE (DOE) (CANADA)

HINTON STUDY BASIN NO 15 - STATION NO 07AF011

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1974	0 674 AT 03 20 MST ON JUL 12 *	0 473 ON JUL 12 *	---	---	1974
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

HINTON STUDY BASIN NO 15 - STATION NO 07AF012

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	0 145	0 036	0 042	---	---	---	---	---	---	1974
MEAN	---	---	---	---	0 145	0 036	0 042	---	---	---	---	---	---	MEAN

LOCATION - LAT 53 18 32 N LONG 117 17 04 W
DRAINAGE AREA, 8 05 km^2
NATURAL FLOW
DATA CONTRIBUTED BY - CANADIAN FORESTRY SERVICE (DOE) (CANADA)

HINTON STUDY BASIN NO 2 - STATION NO 07AD003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	---	0.107	0 116	0 101	---	---	---	---	---	1974
MEAN	---	---	---	---	---	0.107	0.116	0.101	---	---	---	---	---	MEAN

LOCATION - LAT 53 41 03 N LONG 117 33 48 W
DRAINAGE AREA, 14.5 km^2
NATURAL FLOW
DATA CONTRIBUTED BY - CANADIAN FORESTRY SERVICE (DOE) (CANADA)

HINTON STUDY BASIN NO 2 - STATION NO 07AD009

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1974	0.855A AT 09:20 MST ON MAY 8 *	0.841A ON MAY 8 *	---	---	1974
	A - MANUAL GAUGE (SEE REFERENCE INDEX)	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

HINTON STUDY BASIN NO.5 - STATION NO 07AD010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	0.705	0.188	0.299	0.186	---	---	---	---	---	1974
MEAN	---	---	---	---	0.705	0.188	0.299	0.186	---	---	---	---	---	MEAN

LOCATION - LAT 53 37 18 N, LONG 117 31 25 W DRAINAGE AREA, 19.7 km^2, NATURAL FLOW DATA CONTRIBUTED BY - CANADIAN FORESTRY SERVICE (DOE) (CANADA)

HINTON STUDY BASIN NO 5 - STATION NO 07AD010

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1974	1.59 AT 22:40 MST ON MAY 7 *	1.28 ON MAY 7 *	---	---	1974
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

HINTON STUDY BASIN NO 6 - STATION NO 07AE002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	0.865	0.358	0.297	0.085	---	---	---	---	---	1974
MEAN	---	---	---	---	0.865	0.358	0.297	0.085	---	---	---	---	---	MEAN

LOCATION - LAT 53 54 55 N, LONG 116 43 20 W DRAINAGE AREA, 23.8 km^2, NATURAL FLOW DATA CONTRIBUTED BY - CANADIAN FORESTRY SERVICE (DOE) (CANADA)

HINTON STUDY BASIN NO 6 - STATION NO 07AE002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1974	2.73 AT 08:20 MST ON JUL 12 *	2.06 ON JUL 12 *	---	---	1974
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

HINTON STUDY BASIN NO 7 - STATION NO 07AE003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	1.23	0.355	0.427	0.186	---	---	---	---	---	1974
MEAN	---	---	---	---	1.23	0.355	0.427	0.186	---	---	---	---	---	MEAN

LOCATION - LAT 53 54 22 N, LONG 116 45 44 W DRAINAGE AREA, 22.0 km^2, NATURAL FLOW DATA CONTRIBUTED BY - CANADIAN FORESTRY SERVICE (DOE) (CANADA)

MEAN	---	---	---	---	---	---	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 53 27 00 N, LONG 116 37 00 W DRAINAGE AREA, 1 880 km^2, NATURAL FLOW

HINTON STUDY BASIN NO 7 - STATION NO 07AE003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1974	2.74 AT 07:30 MST ON JUL 12 *	2.22 ON JUL 12 *	---	---	1974
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

HINTON STUDY BASIN NO.8 - STATION NO 07AG005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	1.15	0.267	0.313	0.125	---	---	---	---	---	1974
MEAN	---	---	---	---	1.15	0.267	0.313	0.125	---	---	---	---	---	MEAN

LOCATION - LAT 53 48 43 N
LONG 116 44 52 W
DRAINAGE AREA 23.1 km²
NATURAL FLOW
DATA CONTRIBUTED BY -
CANADIAN FORESTRY SERVICE (DOE) (CANADA)

HINTON STUDY BASIN NO.8 - STATION NO 07AG005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1974	3.37 AT 08:20 MST ON JUL 12 *	2.38 ON JUL 12 *	---	---	1974
	* - EXTREME RECORDED FOR THE PERIOD OF RECORD			---	MEAN

HINTON STUDY BASIN NO.9 - STATION NO 07AG006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	0.381	0.104	0.114	0.030	---	---	---	---	---	1974
MEAN	---	---	---	---	0.381	0.104	0.114	0.030	---	---	---	---	---	MEAN

LOCATION - LAT 53 50 00 N
LONG 116 40 54 W
DRAINAGE AREA 7.84 km²
NATURAL FLOW
DATA CONTRIBUTED BY -
CANADIAN FORESTRY SERVICE (DOE) (CANADA)

HINTON STUDY BASIN NO.9 - STATION NO 07AG006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1974	0.974 AT 09:20 MST ON JUL 12 *	0.759 ON APR 25 *	---	---	1974
	* - EXTREME RECORDED FOR THE PERIOD OF RECORD			---	MEAN

HORSE CREEK NEAR VALLEYVIEW - STATION NO 07GF007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	---	0.116	0.014	0.002	0	0	0	0	---	---	0.019	1970
1971	---	---	0	0.023	0.003	0.096	0.054	0	0	0.001	---	---	0.025	1971
1972	---	---	0.008	0.124	0.027	0.021	0.005	0	0	0.001	---	---	0.025	1972
1973	---	---	0	0.089	0.033	0.049	0.003	0.001	0.003	0.008	---	---	0.028	1973
1974	---	---	0	0.289	0.088	0.002	0	0	0	0	---	---	0.051	1974
1975	---	---	---	0.043	0.012	0.009	0.017	0	0.001	0.001	---	---	0.012	1975
1976	---	---	---	---	0.009	0.118	0.022	0.181	0.018	0.004	---	---	---	1976
1977	---	---	---	---	0.088	0.020	0.025	0.008	0.005	---	---	---	---	1977
1978	---	---	---	---	0.052	---	0.004	0	0.013	0.008	---	---	---	1978
1979	---	---	---	---	0.116	0.170	0.025	0	0	---	---	---	---	1979
1980	---	---	---	0.024	0.014	0.038	0.007	0.003	0.010	---	---	---	---	1980
1981	---	---	---	0.075	0.020	0.004	0.001	0	0	0	---	---	0.014	1981
1982	---	---	---	---	0.018	0.001	0.017	0.024	0.002	0.001	---	---	---	1982
1983	---	---	0	0.009	0.008	0.080	---	0.009	0.001	0.001	---	---	---	1983
1984	---	---	---	0.014	0.117	0.028	0.003	0	0.008	0.008	---	---	0.028	1984
1985	---	---	---	0.095	0.018	0.002	0	0	0.002	0.013	---	---	0.018	1985
1986	---	---	---	0.074	0.041	0.003	0.005	0.001	0.001	0.005	---	---	0.018	1986
MEAN	---	---	0.002	0.080	0.041	0.040	0.012	0.012	0.004	0.004	---	---	0.023	MEAN

LOCATION - LAT 54 55 19 N
LONG 117 48 47 W
DRAINAGE AREA 4.27 km²
NATURAL FLOW
DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

HORSE CREEK NEAR VALLEYVIEW - STATION NO. 07GF007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1970	---	0.317 ON APR 22	0 ON JUN 18 *	343	1970
1971	0.787 AT 01:00 MST ON JUN 27	0.564 ON JUN 27	0 ON APR 1	483	1971
1972	0.348 AT 10:30 MST ON APR 20	0.272 ON APR 15	0 ON JUL 25	486	1972
1973	0.281 AT 15:00 MST ON APR 23	0.224 ON APR 24	0 ON JUL 20	485	1973
1974	---	0.818 ON APR 23	0 ON JUN 17	940	1974
1975	---	0.1308 ON APR 17	0 B ON APR 1	218	1975
1976	---	1.01 E ON AUG 17 *	0.001 ON JUL 25	---	1976
1977	---	0.895 ON APR 9	0.001 ON JUN 26	---	1977
1978	---	0.490A ON APR 13	0 E ON JUL 27	---	1978
1979	0.976 AT 03:00 MST ON JUN 14 *	0.879 ON JUN 14	0 B ON APR 6	---	1979
1980	0.185 AT 23:41 MST ON JUN 26	0.122 ON JUN 6	0 B ON APR 1	---	1980
1981	0.188 AT 03:15 MST ON APR 25	0.1608 ON APR 25	0 ON JUL 3	280	1981
1982	0.488 AT 04:12 MST ON AUG 3	0.172 ON AUG 3	0 ON JUN 17	---	1982
1983	---	---	---	---	1983
1984	0.735 AT 05:26 MST ON MAY 17	0.637 ON MAY 17	0 ON JUL 27	476	1984
1985	0.388 AT 10:49 MST ON APR 14	0.324 ON APR 13	0 ON JUL 4	338	1985
1986	0.290 AT 18:33 MST ON APR 22	0.2458 ON APR 18	0 ON JUL 4	341	1986
				433	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

HORSE RIVER AT ABASANDS PARK - STATION NO. 07CC001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1931	0.179	0.185	0.141	---	---	---	---	---	---	---	---	---	---	1931
1976	0.416	0.532	0.493	7.14	2.71	5.04	13.5	21.5	41.7	15.1	2.47	1.01	9.30	1976
1977	0.750	0.741	0.798	11.3	18.5	18.7	14.7	7.59	4.21	7.16	2.10	1.08	7.34	1977
1978	0.770	0.472	0.546	5.29	19.2	11.6	5.27	4.22	40.5	16.6	4.85	1.95	9.35	1978
1979	0.830	0.843	0.754	1.28	---	24.1	5.76	3.83	---	---	---	---	---	1979
MEAN	0.809	0.511	0.646	5.51	13.5	14.9	9.81	9.29	28.8	13.0	3.14	1.35	8.67	MEAN

LOCATION - LAT 58 42 29 N, LONG 111 23 40 W DRAINAGE AREA, 2 130 km^2 NATURAL FLOW

HORSE RIVER AT ABASANDS PARK - STATION NO. 07CC001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1931	---	---	---	---	1931
1976	97.1 AT 17:50 MST ON AUG 29 *	84.6 ON AUG 29 *	0.3378 ON JAN 14 *	284 000	1976
1977	35.4 AT 18:25 MST ON JUN 3	34.6 ON JUN 3	0.7368 ON JAN 14	231 000	1977
1978	89.7 AT 21:22 MST ON SEP 11	59.5 ON SEP 11	0.4118 ON FEB 11	235 000	1978
1979	---	---	---	---	1979
				273 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

HOUSE RIVER AT HIGHWAY NO. 63 - STATION NO. 07CB002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	---	---	3.27	2.54	3.50	2.34	1.39	---	---	---	1982
1983	---	---	0.559	3.02	1.84	2.01	10.9	8.44	4.16	2.57	---	---	4.22	1983
1984	---	---	0.498	3.10	4.84	15.9	7.64	2.02	3.77	3.46	---	---	5.14	1984
1985	---	---	0.589	4.18	16.0	4.51	2.56	1.05	1.22	1.90	---	---	4.02	1985
1986	---	---	0.645	3.40	4.75	4.22	9.54	5.78	1.73	1.13	---	---	3.91	1986
MEAN	---	---	0.598	3.43	6.91	5.98	6.64	4.16	2.64	2.09	---	---	4.32	MEAN

LOCATION - LAT 55 38 30 N, LONG 112 09 25 W DRAINAGE AREA, 784 km^2

HOUSE RIVER AT HIGHWAY NO. 63 - STATION NO. 07CB002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	---	---	---	---	1982
1983	29.0 AT 22:42 MST ON JUL 28	28.7 ON JUL 28	0.4868 ON MAR 25	89 300	1983
1984	24.1 AT 15:55 MST ON JUN 3	23.6 ON JUN 4	0.4518 ON MAR 1 *	109 000	1984
1985	32.3 AT 02:41 MST ON MAY 5 *	31.1 ON MAY 5 *	0.546 ON AUG 26	85 000	1985
1986	19.1 AT 11:39 MST ON JUL 20	18.0 ON JUL 20	0.6348 ON MAR 1	82 800	1986
				91 500	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

HUTCH LAKE TRIBUTARY NEAR HIGH LEVEL - STATION NO 0708007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1977	---	---	---	---	---	---	---	---	---	0.004	---	---	---	1977
1978	---	---	0	0.046	0.416	0.385	0.053	0.040	0.194	0.210	---	---	0.186	1978
1979	---	---	0	0.015	1.45	0.923	0.108	0.039	0.026	0.012	---	---	0.322	1979
1980	---	---	0	0.040	0.006	0.001	0	0	0	0	---	---	0.006	1980
1981	---	---	0	0.030	0.159	0.012	0.016	0	0	0.003	---	---	0.028	1981
1982	---	---	0	0.006	0.041	0.004	0	0.004	0	0	---	---	0.007	1982
1983	---	---	0	0.080	0.385	0.148	0.024	0.003	0.001	0.001	---	---	0.080	1983
1984	---	---	0	0.017	0.037	0.119	0.770	0.014	0.099	0.084	---	---	0.143	1984
1985	---	---	0	0.097	0.760	0.087	0.019	0.058	0.117	0.135	---	---	0.180	1985
1986	---	---	0	0.115	0.433	0.570	0.441	0.139	0.043	0.042	---	---	0.223	1986
MEAN	---	---	0	0.050	0.410	0.248	0.180	0.033	0.053	0.049	---	---	0.126	MEAN

LOCATION - LAT 58 43 05 N DRAINAGE AREA, 103 km²
LONG 117 14 27 W NATURAL FLOW

HUTCH LAKE TRIBUTARY NEAR HIGH LEVEL - STATION NO 0708007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1977	---	---	0 ON SEP 16 *	---	1977
1978	0.906 AT 16 00 MST ON MAY 26	0.892 ON MAY 26	0B ON MAR 1	3 520	1978
1979	2.31 AT 01 00 MST ON MAY 29 *	2.28 ON MAY 29 *	0B ON MAR 1	6 810	1979
1980	0.2038 AT 06 30 MST ON APR 16	0.1508 ON APR 18	0B ON MAR 1	125	1980
1981	0.582 AT 10 30 MST ON MAY 5	0.486 ON MAY 3	0B ON MAR 1	585	1981
1982	0.489 AT 09 00 MST ON AUG 30	0.118 ON AUG 30	0B ON MAR 1	148	1982
1983	0.892 AT 19 30 MST ON APR 28	0.503 ON APR 28	0B ON MAR 1	1 700	1983
1984	1.55 AT 05 30 MST ON JUL 5	1.54 ON JUL 4	0B ON MAR 1	3 030	1984
1985	2.08 ON MAY 5	1.85 E ON MAY 5	0B ON MAR 1	3 380	1985
1986	1.58 AT 06 00 MST ON JUN 23	1.48 ON JUN 23	0B ON MAR 1	4 710	1986
				2 870	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

IOSEGUN RIVER NEAR LITTLE SMOKY - STATION NO 07GG003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1969	---	---	---	---	---	---	---	0.974	8.19	3.70	---	---	---	1969
1970	---	---	0.438	20.5	27.6	9.84	4.29	1.92	0.797	0.700	---	---	8.25	1970
1971	---	---	0.392	30.2	17.0	40.4	63.2	6.11	1.55	4.01	---	---	20.3	1971
1972	---	---	1.52	26.3	45.0	31.6	25.0	13.8	3.76	3.88	---	---	18.8	1972
1973	---	---	0.628	25.8	38.9	29.8	9.77	10.0	4.75	8.86	---	---	16.0	1973
1974	---	---	1.22	51.4	72.3	8.27	5.18	0.854	1.17	1.23	---	---	18.9	1974
1975	---	---	0.474	7.24	16.5	15.6	17.9	4.41	4.41	2.17	---	---	8.58	1975
1976	---	---	0.896	41.0	12.7	24.7	20.9	30.3	17.3	6.03	---	---	19.1	1976
1977	---	---	1.37	34.0	60.6	39.6	31.3	9.21	8.14	8.99	---	---	24.1	1977
1978	---	---	1.19	9.70	18.6	46.6	11.8	7.20	29.2	10.7	---	---	15.9	1978
1979	---	---	1.25	11.2	51.3	47.2	48.5	5.32	1.50	0.785	---	---	20.9	1979
1980	---	---	0.396	10.7	12.9	38.3	25.3	9.98	12.4	5.78	---	---	14.4	1980
1981	---	---	1.11	13.3	18.3	21.7	4.78	2.07	0.346	0.473	---	---	7.71	1981
1982	---	---	0.362	1.28	36.0	6.23	18.5	34.1	7.31	2.90	---	---	13.4	1982
1983	---	---	0.432	3.14	4.71	34.4	63.7	15.0	4.72	2.62	---	---	18.1	1983
1984	---	---	1.12	9.61	46.3	19.9	3.65	1.35	9.86	6.37	---	---	12.3	1984
1985	---	---	1.84	22.3	20.7	14.5	5.84	1.42	17.2	17.2	---	---	12.8	1985
1986	---	---	2.61	35.1	34.4	9.83	24.2	5.01	3.35	14.3	---	---	18.1	1986
MEAN	---	---	1.00	21.4	31.5	25.8	22.6	8.83	7.55	5.58	---	---	15.6	MEAN

LOCATION - LAT 54 44 43 N DRAINAGE AREA, 1 950 km²
LONG 117 09 04 W NATURAL FLOW

IOSEGUN RIVER NEAR LITTLE SMOKY - STATION NO. 07GG003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1969	---	---	---	---	1969
1970	82.6 AT 13:00 MST ON APR 24	82.0 ON APR 24	0.3438 ON MAR 1	175 000	1970
1971	255 AT 14:30 MST ON JUL 5 *	239 ON JUL 5 *	0.3628 ON MAR 6	430 000	1971
1972	191 AT 04:00 MST ON JUN 28	182 ON JUN 28	0.5888 ON MAR 1	399 000	1972
1973	88.6 AT 22:00 MST ON APR 29	83.0 ON APR 29	0.4596 ON MAR 15	339 000	1973
1974	182 AT 20:00 MST ON APR 27	180 ON APR 27	0.411E ON AUG 10	400 000	1974
1975	162 AT 21:00 MST ON JUN 29	125 ON JUN 29	0.4258 ON MAR 9	182 000	1975
1976	161 AT 03:30 MST ON JUN 29	149 ON JUN 29	0.4968 ON MAR 10	404 000	1976
1977	145 AT 21:30 MST ON MAY 30	138 ON MAY 30	1.13 B ON MAR 16	511 000	1977
1978	207 AT 00:30 MST ON JUN 17	187 ON JUN 16	0.4848 ON MAR 1	357 000	1978
1979	141 AT 17:00 MST ON JUN 15	134 ON JUN 15	0.552 ON OCT 9	443 000	1979
1980	85.7 AT 03:30 MST ON JUN 6	92.4 ON JUN 6	0.188B ON MAR 8	305 000	1980
1981	83.6 AT 16:00 MST ON JUN 2	80.4 ON JUN 2	0.172 ON SEP 18 *	183 000	1981
1982	145 AT 03:30 MST ON AUG 5	137 ON AUG 5	0.3348 ON MAR 1	285 000	1982
1983	163 AT 06:00 MST ON JUL 28	154 ON JUL 28	0.3538 ON MAR 6	342 000	1983
1984	151 AT 10:00 MST ON MAY 18	143 ON MAY 18	0.547 ON AUG 8	260 000	1984
1985	75.2 AT 23:00 MST ON JUN 25	71.7 ON JUN 26	0.728 ON AUG 11	286 000	1985
1986	84.2 AT 12:00 MST ON JUL 19	79.4 ON JUL 19	0.760B ON MAR 12	340 000	1986
				329 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

IRON CREEK NEAR HARDISTY - STATION NO. 05FB002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	---	---	---	---	---	0.011	0.098	0.025	---	---	---	1984
1985	---	---	0.057	5.17	2.15	1.10	2.33	0.121	0.095	0.071	---	---	1.38	1985
1986	---	---	0.062	1.47	0.417	0.220	0.097	0.747	0.295	0.088	---	---	0.422	1986
1987	---	---	0.025	0.407	0.783	0.519	0.186	0.007	0	0	---	---	0.238	1987
1988	---	---	2.38	1.02	0.239	0.100	0.010	0.006	0.188	0.632	---	---	0.574	1988
1989	---	---	0	7.09	1.71	0.244	0.079	0.052	0.037	0.058	---	---	1.14	1989
1990	---	---	0	2.67	1.31	0.197	0.830	0.328	0.083	0.098	---	---	0.711	1990
1991	---	---	0.090	5.96	2.06	0.519	0.289	0.086	0.025	0.027	---	---	1.12	1991
1992	---	---	0.022	1.99	0.662	0.114	0.065	0.057	0.024	0.034	---	---	0.367	1992
1993	---	---	0.123	1.68	0.730	2.02	1.93	3.27	0.580	0.555	---	---	1.36	1993
1994	---	---	0.057	23.0	12.9	2.29	0.847	0.192	0.301	0.122	---	---	4.93	1994
1995	---	---	0.006	1.96	3.40	0.549	0.205	0.029	0.020	0.013	---	---	0.772	1995
1996	---	---	0.082	2.67	0.491	0.388	0.275	0.071	0.042	0.035	---	---	0.500	1996
1997	---	---	0.027	0.343	0.695	0.238	0.023	0.008	0.008	0.019	---	---	0.170	1997
1998	---	---	0.081	0.592	0.300	0.078	0.016	0.003	0.382	0.220	---	---	0.209	1998
1999	---	---	0.788	4.11	0.902	0.188	0.315	0.101	0.002	0.001	---	---	0.783	1999
2000	---	---	0.008	2.21	0.194	0.451	0.746	0.183	0.147	0.107	---	---	0.501	2000
2001	---	---	0.985	2.01	0.282	0.110	0.047	0.159	0.001	0.001	---	---	0.443	2001
2002	---	---	0	0.250	0.542	0.213	1.48	0.245	0.017	0.141	---	---	0.384	2002
2003	---	---	0.104	1.63	0.949	0.543	5.58	0.454	0.038	0.082	---	---	1.18	2003
2004	---	---	0.274	1.48	0.252	0.832	0.074	0.011	0.014	0.014	---	---	0.340	2004
2005	---	---	0.310	3.19	1.24	0.614	0.143	0.020	0.019	0.032	---	---	0.890	2005
2006	---	---	2.32	2.57	0.484	0.183	0.466	0.378	0.137	0.332	---	---	0.857	2006
MEAN	---	---	0.354	3.35	1.49	0.523	0.727	0.284	0.111	0.117	---	---	0.855	MEAN

LOCATION - LAT 52 42 28 N
LONG 111 18 36 W
DRAINAGE AREA, 3 500 km^2
NATURAL FLOW

IRON CREEK NEAR HARDISTY - STATION NO. 05FB002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	---	---	0 E ON AUG 1 *	---	1984
1985	---	16.7 ON APR 16	0.057B ON MAR 1	28 200	1985
1986	---	3.098 ON APR 8	0 B ON MAR 1	8 940	1986
1987	---	1.258 ON APR 25	0 B ON MAR 1	5 030	1987
1988	---	3.488 ON MAR 1	0 ON JUL 12	12 100	1988
1989	---	19.2 ON APR 14	0 B ON MAR 1	24 200	1989
1990	8.248 AT 14:15 MST ON APR 14	7.93 ON APR 16	0 B ON MAR 1	15 000	1990
1991	15.8 AT 05:00 MST ON APR 21	15.7 ON APR 21	0.017 ON SEP 7	23 800	1991
1992	---	4.028 ON APR 14	0 B ON MAR 1	7 750	1992
1993	6.81 AT 15:10 MST ON AUG 15	6.85 ON AUG 15	0.003B ON MAR 1	28 700	1993
1994	88.0 AT 02:30 MST ON APR 23 *	87.7 ON APR 23 *	0.028 ON OCT 11	104 000	1994
1995	---	8.38A ON APR 26	0.003 ON SEP 29	15 300	1995
1996	7.42 AT 05:30 MST ON APR 11	7.15 ON APR 11	0.028 ON OCT 26	10 800	1996
1997	2.31B AT 08:00 MST ON APR 11	1.38 ON MAY 18	0.004 ON SEP 3	3 590	1997
1998	1.62 AT 01:00 MST ON SEP 26	1.42 ON SEP 26	0.003E ON AUG 10	4 410	1998
1999	10.0 B AT 14:20 MST ON APR 19	9.68B ON APR 19	0.001 ON SEP 9	16 800	1999
2000	10.6 B AT 07:05 MST ON APR 17	8.73B ON APR 17	0.003B ON MAR 1	10 800	2000
2001	4.47 AT 11:40 MST ON APR 3	4.10B ON APR 1	0.001 ON SEP 8	9 380	2001
2002	3.78 AT 22:31 MST ON JUL 13	3.71 ON JUL 14	0 B ON MAR 1	7 700	2002
2003	10.1 AT 06:34 MST ON JUL 5	9.96 ON JUL 8	0.017 ON SEP 4	24 800	2003
2004	---	4.848 ON APR 3	0.003 ON SEP 19	7 190	2004
2005	---	5.50B ON APR 6	0 B ON MAR 1	14 600	2005
2006	---	10.1 ON MAR 31	0.015A ON SEP 10	18 100	2006
				18 300	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

IRON CREEK NEAR VIKING - STATION NO 05FB003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	0	0	0 006	0 586	0 021	---	---	---	1978
1979	---	---	0 210	1 11	0 048	0	0	0	0	0	---	---	0 188	1979
1980	---	---	0	0 286	0 019	0 012	0 005	0 003	0	0	---	---	0 038	1980
1981	---	---	0 217	0 100	0	0	0 003	0	0	0	---	---	0 040	1981
1982	---	---	0	0 060	---	---	0 575	0 017	0 004	0 001	---	---	---	1982
1983	---	---	0 026	0 176	0	0 458	0 913	0 009	0 001	0 001	---	---	0 198	1983
1984	---	---	0 083	0 033	0	0 084	0 038	0 006	0 001	0	---	---	0 028	1984
1985	---	---	0 181	0 458	0 035	0 084	0	0	0	0	---	---	0 091	1985
1986	---	---	0 794	0 189	0 018	0	0	0	0	0	---	---	0 123	1986
MEAN	---	---	0 189	0 297	0 017	0 075	0 171	0 005	0 064	0 003	---	---	0 092	MEAN

LOCATION - LAT 53 00 58 N DRAINAGE AREA 121 km²
LONG 111 54 07 W NATURAL FLOW

IRON CREEK NEAR VIKING - STATION NO 05FB003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1978	2 93 AT 07 00 MST ON SEP 8	---	---	---	1978
1979	2 738 AT 17 50 MST ON APR 11	2 25 ON APR 19	0B ON MAR 1 *	3 560	1979
1980	1 24 AT 02 30 MST ON APR 14	1 05 ON APR 14	0B ON MAR 1	795	1980
1981	---	0 7728 ON MAR 18	0B ON MAR 1	848	1981
1982	2 91 AT 10 52 MST ON JUL 5	2 78 ON JUL 5	0B ON MAR 1	---	1982
1983	3 72 AT 00 20 MST ON JUL 3 *	3 49 ON JUL 3 *	0B ON MAR 1	4 200	1983
1984	1 12 AT 19 57 MST ON JUN 12	0 5038 ON MAR 26	0B ON MAR 1	593	1984
1985	2 21 AT 17 13 MST ON APR 3	2 17 ON APR 3	0B ON MAR 1	1 930	1985
1986	2 76 AT 22 58 MST ON MAR 28	2 58 ON MAR 29	0 ON MAY 11	2 820	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 080	MEAN

IRRIGATION CREEK NEAR ORION - STATION NO 05AF006

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1916	---	---	---	0 001	0 006	0 158	0 078	0	0	0	---	---	---	1916
1917	---	--	---	1 21	0 080	0	0	0	---	---	---	---	---	1917
1918	---	---	---	---	0 003	0	---	---	---	---	---	---	---	1918
1919	---	---	0 010	0 040	---	---	---	---	---	---	---	---	---	1919
1920	---	---	0 675	0 235	0 059	0 001	---	---	---	---	---	---	---	1920
1921	---	---	0 237	0 397	0 012	0	0	---	---	---	---	---	---	1921
1922	---	---	0 161	1 60	0 027	0	0	---	---	---	---	---	---	1922
1923	---	---	0 043	0 075	0	0 319	0 029	0	---	---	---	---	---	1923
1924	---	---	0	0	0	0	0	0	0	0	---	---	0	1924
1925	---	---	0 229	0 191	---	---	0	---	---	---	---	---	---	1925
1926	---	---	0 273	0 021	0	0	0	0	0	0	---	---	0 037	1926
1927	---	---	0 273	0 610	0 282	0 061	0 107	0 111	0 001	0	---	---	0 180	1927
1928	---	---	1 38	0 070	0	0	0 008	0	0	0	---	---	0 184	1928
1929	---	---	0 001	0 021	0 098	0 001	---	---	---	---	---	---	---	1929
1930	---	0 026	0 023	0	0	0	---	---	---	---	---	---	---	1930
1931	---	0	0	---	---	---	---	---	---	---	---	---	---	1931
1936	---	---	0	0 459	0 005	0 008	---	---	---	---	---	---	---	1936
MEAN	---	0 013	0 236	0 329	0 041	0 039	0 022	0 018	0	0	---	---	0 100	MEAN

LOCATION - LAT 49 25 20 N DRAINAGE AREA 202 km²
LONG 110 50 20 W REGULATED

IRRIGATION CREEK NEAR ORION - STATION NO 05AF006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1916	---	---	---	---	1916
1917	---	3 82 ON APR 2	0 ON MAY 29 *	---	1917
1918	---	---	0 ON JUN 5	---	1918
1919	---	0 680 ON APR 1	0B ON MAR 1	---	1919
1920	---	3 00 B ON MAR 22	0B ON MAR 1	---	1920
1921	---	1 70 B ON APR 1	0B ON MAR 11	---	1921
1922	---	7 93 B ON APR 2	0 ON MAR 1	---	1922
1923	---	4 02 ON JUN 22	0B ON MAR 1	---	1923
1924	---	0 ON MAR 1	0 ON MAR 1	0	1924
1925	---	2 46 ON JUN 10	0B ON MAR 1	---	1925
1926	---	2 89 ON MAR 1	0B ON APR 1	784	1926
1927	---	3 62 ON MAR 28	0 ON MAR 1	3 810	1927
1928	---	10 3 ON MAR 21 *	0B ON MAR 1	3 900	1928
1929	---	0 600 ON MAY 1	0B ON MAR 1	---	1929
1930	---	0 2618 ON MAR 26	0 ON APR 6	---	1930
1931	---	---	0 ON MAR 1	---	1931
1936	---	2 61 ON APR 19	0B ON MAR 1	---	1936
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 120	MEAN

JACKFISH CREEK NEAR LA COREY - STATION NO. 05AC001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	0.095	1.25	2.08	0.277	0.130	0.220	0.038	0.111	---	---	0.526	1972
1973	---	---	0.164	1.01	1.38	1.18	0.813	0.864	0.678	1.20	---	---	0.886	1973
1974	---	---	0.251	4.74	9.80	2.23	0.400	0.073	0.045	0.034	---	---	2.19	1974
1975	---	---	0.097	1.20	3.20	2.29	2.92	1.08	0.388	0.085	---	---	1.41	1975
1976	---	---	0.184	0.880	0.201	0.227	1.49	0.721	0.151	0.062	---	---	0.488	1976
1977	---	---	0.018	0.398	0.433	0.168	0.346	0.304	0.294	0.213	---	---	0.271	1977
1978	---	---	0.235	1.06	1.73	1.48	0.481	0.122	0.106	0.054	---	---	0.656	1978
1979	---	---	0.068	0.680	1.16	0.727	0.524	0.194	0.140	0.079	---	---	0.444	1979
1980	---	---	0.094	0.673	0.265	0.023	0.008	0.201	0.162	0.214	---	---	0.206	1980
1981	---	---	0.272	0.789	0.423	0.117	0.083	0.085	0.005	0.005	---	---	0.222	1981
1982	---	---	0	0.546	0.238	0.039	0.306	0.283	0.141	0.005	---	---	0.194	1982
1983	---	---	0.146	0.416	0.376	0.086	0.354	0.195	0.085	0.058	---	---	0.212	1983
1984	---	---	0.247	0.482	0.186	1.05	0.239	0.005	0.002	0.012	---	---	0.275	1984
1985	---	---	0.189	0.932	0.661	0.038	0.008	0.012	0.036	0.001	---	---	0.235	1985
1986	---	---	0.105	0.810	0.570	0.270	0.111	0.006	0.036	0.026	---	---	0.216	1986
MEAN	---	---	0.144	1.04	1.51	0.680	0.548	0.276	0.154	0.144	---	---	0.582	MEAN

LOCATION - LAT 56 25 30 N DRAINAGE AREA 495 km²
LONG 110 41 10 W NATURAL FLOW

JACKFISH CREEK NEAR LA COREY - STATION NO. 05AC001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	3.26 B ON APR 24	0.014E ON SEP 3	11 100	1972
1973	2.268 AT 05 30 MST ON APR 14	1.85 ON MAY 11	0.085B ON MAR 1	18 800	1973
1974	13.2 AT 08 00 MST ON MAY 3 *	13.1 ON MAY 3 *	0.009 ON OCT 22	46 400	1974
1975	---	4.11 ON JUL 7	0.042B ON MAR 1	29 800	1975
1976	2.32 AT 23 00 MST ON JUL 21	2.31 ON JUL 21	0.014B ON OCT 27	10 300	1976
1977	---	0.779B ON APR 20	0 B ON MAR 1 *	5 740	1977
1978	2.808 AT 09 00 MST ON APR 29	2.80 B ON APR 29	0.003 ON SEP 20	13 900	1978
1979	3.478 AT 12 00 MST ON MAY 2	2.47 B ON APR 20	0.022B ON MAR 14	9 380	1979
1980	2.858 AT 07 40 MST ON APR 22	1.85 B ON APR 22	0.001 ON MAY 27	4 370	1980
1981	1.508 AT 09 50 MST ON APR 19	1.16 B ON APR 19	0.001E ON SEP 15	4 880	1981
1982	---	2.30 B ON APR 23	0 B ON MAR 1	4 110	1982
1983	---	0.800E ON JUL 30	0.008E ON JUN 11	4 500	1983
1984	---	1.50 ON JUN 5	0.001E ON JUL 28	5 830	1984
1985	1.96 AT 12 20 MST ON SEP 6	1.85 B ON APR 15	0.001 ON JUN 14	4 980	1985
1986	1.598 AT 08 13 MST ON APR 10	1.20 B ON APR 18	0.002 ON SEP 25	4 570	1986
				11 900	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

JACKFISH RIVER BELOW CHRISTINA LAKE - STATION NO. 07CE005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	---	---	3.71	1.94	1.63	1.03	0.525	---	---	---	1982
1983	---	---	0.720	1.09	0.539	1.85	5.90	4.86	2.37	1.75	---	---	2.37	1983
1984	---	---	1.08	1.23	5.45	11.2	4.75	1.66	0.824	1.76	---	---	3.49	1984
1985	---	---	1.18	3.06	28.3	8.16	3.52	1.31	0.942	0.950	---	---	5.69	1985
1986	---	---	1.10	1.82	2.59	2.16	10.8	11.3	2.72	1.55	---	---	4.29	1986
MEAN	---	---	1.02	1.80	8.72	5.38	5.38	4.15	1.58	1.31	---	---	3.86	MEAN

LOCATION - LAT 55 40 25 N DRAINAGE AREA 1 280 km²
LONG 111 05 00 W NATURAL FLOW

JACKFISH RIVER BELOW CHRISTINA LAKE - STATION NO. 07CE005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	---	---	---	---	1982
1983	7.37 AT 16 13 MST ON JUL 31	7.32 ON AUG 1	0.288 ON MAY 9 *	50 100	1983
1984	17.4 AT 13 56 MST ON JUN 8	17.1 ON JUN 5	0.484 ON SEP 6	73 800	1984
1985	---	56.0 E ON MAY 8 *	0.800B ON APR 9	121 000	1985
1986	29.6 AT 21 18 MST ON JUL 25 *	28.2 ON JUL 25	0.342B ON MAR 20	60 700	1986
				83 900	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

JACKPINE CREEK AT WADLIN LAKE ROAD - STATION NO 07JD003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	---	---	---	---	---	0.217	0.389	0.786	---	---	---	1971
1972	---	---	0.001	0.701	18.4	2.09	4.01	0.717	0.148	0.343	---	---	2.24	1972
1973	---	---	0.009	2.38	4.47	11.1	15.0	12.7	3.06	1.93	---	---	5.34	1973
1974	---	---	0.031	12.0	10.8	3.07	5.10	1.65	0.959	0.856	---	---	4.28	1974
1975	---	---	0	2.70	4.57	4.14	2.87	5.45	10.6	1.89	---	---	4.02	1975
1976	---	---	0.012	8.60	2.65	4.63	8.47	3.62	1.37	2.13	---	---	3.92	1976
1977	---	---	0.001	2.38	4.72	7.15	2.57	0.237	0.196	0.833	---	---	2.22	1977
1978	---	---	0.002	1.91	6.83	3.42	0.820	0.188	4.17	5.80	---	---	2.76	1978
1979	---	---	0.002	1.46	15.5	10.6	2.26	1.53	2.52	1.15	---	---	4.38	1979
1980	---	---	0.001	1.45	0.331	1.16	1.08	1.36	0.901	0.583	---	---	0.838	1980
1981	---	---	0	1.60	4.58	0.578	0.105	0.011	0.001	0.247	---	---	0.893	1981
1982	---	---	0	0.485	3.19	0.249	0.021	0.097	0.152	0.045	---	---	0.530	1982
1983	---	---	0	2.85	2.70	0.805	0.332	0.613	0.376	0.189	---	---	0.929	1983
1984	---	---	0.004	0.698	3.87	4.39	5.97	0.305	2.01	1.13	---	---	2.42	1984
1985	---	---	0	5.04	7.11	0.880	0.034	0.013	0.225	0.884	---	---	1.72	1985
1986	---	---	0.003	1.58	3.27	9.55	3.56	1.10	0.239	0.374	---	---	2.44	1986
MEAN	---	---	0.004	3.04	6.13	4.23	3.55	1.86	1.71	1.18	---	---	2.74	MEAN

LOCATION - LAT 58 11 35 N DRAINAGE AREA, 582 km²
LONG 115 45 00 W NATURAL FLOW

JACKPINE CREEK AT WADLIN LAKE ROAD - STATION NO 07JD003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	---	---	---	---	1971
1972	34.8 AT 09 30 MST ON MAY 5	34.3 ON MAY 5	0 B ON MAR 13 *	70 800	1972
1973	42.8 AT 22 00 MST ON JUL 28	42.2 ON JUL 29	0 B ON MAR 1	134 000	1973
1974	36.2 AT 15 00 MST ON APR 23	35.0 ON APR 23	0 0.0288 ON MAR 17	90 700	1974
1975	33.7 AT 03 00 MST ON SEP 3	33.4 ON SEP 3	0 B ON MAR 1	85 000	1975
1976	33.6 AT 01 00 MST ON JUL 2	22.4 ON JUL 2	0 0.108 ON MAR 1	83 100	1976
1977	13.6 AT 02 30 MST ON JUN 10	13.3 ON JUN 10	0 B ON MAR 18	47 000	1977
1978	10.1 AT 00 30 MST ON MAY 30	9.88 ON MAY 29	0 B ON MAR 19	58 400	1978
1979	28.5 B AT 13 30 MST ON MAY 2	26.5 B ON MAY 2	0 B ON APR 1	93 700	1979
1980	4.71 AT 04 30 MST ON JUL 30	4.57 ON JUL 30	0 B ON MAR 1	17 700	1980
1981	10.0 B AT 00 30 MST ON MAY 1	9.07 ON MAY 5	0 B ON MAR 1	18 900	1981
1982	6.37 AT 12 00 MST ON MAY 2	6.16 ON MAY 5	0 B ON MAR 1	11 200	1982
1983	8.17 AT 00 00 MST ON APR 25	8.98 ON APR 26	0 B ON MAR 1	19 700	1983
1984	17.4 AT 11 00 MST ON JUL 8	17.2 ON JUL 8	0 B ON MAR 11	51 400	1984
1985	16.2 AT 01 00 MST ON MAY 5	15.0 ON MAY 9	0 B ON MAR 1	38 300	1985
1986	47.9 AT 21 30 MST ON JUN 23 *	46.6 ON JUN 24 *	0 B ON MAR 1	51 800	1986
				57 900	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

JAMES RIVER NEAR SUNDRE - STATION NO 05CA002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	2.26	3.57	7.49	6.26	13.2	10.2	3.82	2.95	---	---	6.22	1966
1967	---	---	1.37	1.87	17.0	16.6	4.57	2.06	1.20	1.24	---	---	5.99	1967
1968	---	---	1.26	2.02	4.86	6.19	6.22	5.09	3.01	4.55	---	---	4.14	1968
1969	---	---	1.31	5.89	9.34	12.5	30.2	4.91	2.47	2.24	1.48	1.03	8.85	1969
1970	0.577	0.724	0.804	2.87	9.12	18.6	---	---	---	1.90	1.06	0.786	---	1970
1971	0.835	1.04	0.808	7.06	6.81	10.8	3.95	1.93	1.27	1.27	0.709	0.482	4.00	1971
1972	0.617	0.435	1.06	3.30	8.47	22.1	14.8	5.41	4.16	3.03	---	---	7.50	1972
1973	---	---	1.42	8.25	21.7	18.1	5.57	2.44	2.53	3.00	---	---	7.36	1973
1974	---	---	1.21	6.90	18.7	11.2	3.93	2.04	2.03	3.22	---	---	6.15	1974
1975	---	---	0.860	3.21	4.77	3.48	3.07	2.56	---	1.59	---	---	---	1975
1976	---	---	---	3.19	3.11	4.08	2.70	7.28	2.94	1.48	---	---	---	1976
1977	---	---	---	2.17	11.5	6.08	2.35	3.49	4.40	3.21	---	---	---	1977
1978	---	---	1.38	5.43	9.80	14.3	6.85	6.07	6.55	2.88	---	---	6.84	1978
1979	---	---	1.59	3.29	7.04	5.36	2.70	2.28	1.55	1.34	---	---	3.15	1979
1980	---	---	0.840	4.56	3.85	12.2	6.74	3.80	3.28	2.15	---	---	4.85	1980
1981	---	---	1.02	1.55	18.9	10.5	24.6	15.4	4.02	3.07	---	---	8.95	1981
1982	---	---	0.711	2.62	6.59	8.09	15.6	5.08	3.38	3.14	---	---	5.87	1982
1983	---	---	1.36	6.56	8.40	8.91	11.6	2.45	1.80	1.41	---	---	4.91	1983
1984	---	---	1.09	2.30	2.39	8.60	1.63	1.08	1.94	2.20	---	---	2.82	1984
1985	---	---	0.787	2.83	5.92	4.17	1.70	3.53	11.8	4.87	---	---	4.40	1985
1986	---	---	1.78	2.60	13.9	8.25	27.3	8.46	8.74	11.8	---	---	10.4	1986
MEAN	0.843	0.733	1.20	3.81	8.35	10.2	9.41	4.81	3.71	2.96	1.08	0.783	6.02	MEAN

LOCATION - LAT 51 55 37 N DRAINAGE AREA, 821 km²
LONG 114 41 06 W NATURAL FLOW

JAMES RIVER NEAR SUNDRE - STATION NO 05CA002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	51.5 AT 23:00 MST ON JUL 2	43.0 ON JUL 4	1.15 B ON MAR 1	132 000	1965
1967	76.2 AT 11:45 MST ON MAY 31	61.2 ON MAY 31	0.8849 ON APR 11	127 000	1967
1968	15.3 AT 01:44 MST ON JUL 21	13.1 ON JUN 9	0.7088 ON MAR 11	67 700	1968
1969	114 AT 03:37 MST ON JUL 6	103 ON JUL 4	1.02 B ON MAR 1	183 000	1969
1970	151 AT 15:10 MST ON JUN 15	115 ON JUN 15	0.7858 ON MAR 1	---	1970
1971	40.8 AT 21:00 MST ON JUN 6	34.0 ON JUN 7	0.706 ON OCT 27	84 500	1971
1972	215 E ON JUN 25 *	184 E ON JUN 25 *	0.3748 ON MAR 16	193 000	1972
1973	83.7 AT 15:00 MST ON MAY 27	62.3 ON MAY 27	1.05 B ON MAR 26	156 000	1973
1974	60.2 AT 03:00 MST ON APR 29	31.7 ON APR 29	0.7488 ON APR 6	130 000	1974
1975	9.63 AT 03:30 MST ON MAY 9	9.15 ON MAY 9	0.5168 ON MAR 1	---	1975
1976	19.4 AT 20:30 MST ON AUG 9	16.6 ON AUG 10	---	---	1976
1977	21.8 AT 06:30 MST ON MAY 16	19.6 ON MAY 16	---	---	1977
1978	26.0 AT 22:30 MST ON JUN 6	22.7 ON MAY 31	0.7508 ON MAR 19	141 000	1978
1979	21.7 AT 02:00 MST ON JUN 21	18.6 ON JUN 21	0.6818 ON MAR 22	86 700	1979
1980	33.3 AT 11:00 MST ON JUN 5	31.3 ON JUN 5	0.6878 ON MAR 8	99 500	1980
1981	178 AT 20:20 MST ON JUL 30	109 ON JUL 30	0.8608 ON APR 5	211 000	1981
1982	84.4 A ON JUL 5	48.2 ON JUL 5	0.5388 ON MAR 5	120 000	1982
1983	89.5 AT 08:07 MST ON APR 25	60.0 ON APR 25	1.14 B ON MAR 1	104 000	1983
1984	46.6 AT 10:30 MST ON JUN 9	42.3 ON JUN 9	0.706 ON AUG 29	55 500	1984
1985	84.3 AT 08:15 MST ON SEP 12	68.7 ON SEP 13	0.3908 ON MAR 5 *	93 100	1985
1986	170 AT 02:48 MST ON JUL 18	129 ON JUL 18	1.35 B ON MAR 8	220 000	1986
				128 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

JOHNSTON CREEK NEAR THE MOUTH - STATION NO 05BA006

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	---	---	---	2.29	1.34	0.959	---	---	---	1973
1974	---	---	---	---	1.18	---	6.36	3.13	1.39	0.963	---	---	---	1974
1975	---	---	---	---	1.41	5.05	5.10	2.45	1.40	0.959	---	---	2.69	1975
1976	---	---	---	---	4.39	6.87	7.34	5.13	3.53	1.31	---	---	4.72	1976
1977	---	---	---	---	2.77	6.04	3.12	2.68	1.70	0.842	---	---	2.83	1977
1978	---	---	---	---	1.79	7.80	5.57	2.14	1.66	1.29	---	---	3.36	1978
1979	---	---	---	---	1.73	5.85	4.07	1.88	1.08	0.738	---	---	2.52	1979
1980	---	---	---	---	5.56	5.19	2.71	1.84	1.53	0.821	---	---	3.24	1980
1981	---	---	---	---	5.63	5.48	8.80	3.11	1.47	0.955	---	---	3.93	1981
1982	---	---	---	---	1.72	5.11	4.43	1.90	1.71	0.967	---	---	3.28	1982
1983	---	---	---	---	3.18	5.51	4.16	1.83	1.06	0.714	---	---	2.73	1983
1984	---	---	---	---	1.12	8.31	4.25	1.87	1.45	1.12	---	---	3.06	1984
1985	---	---	---	---	3.75	4.84	2.73	1.88	2.16	1.11	---	---	2.74	1985
1986	---	---	---	---	5.33	12.3	5.30	2.58	1.38	1.28	---	---	4.86	1986
MEAN	---	---	---	---	3.11	6.83	4.79	2.44	1.67	0.985	---	---	3.31	MEAN

LOCATION - LAT 51 14 40 N
LONG 115 50 30 W
DRAINAGE AREA, 124 km^2
NATURAL FLOW

JOHNSTON CREEK NEAR THE MOUTH - STATION NO 05BA006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	---	---	---	1973
1974	---	---	---	---	1974
1975	10.5 AT 21:00 MST ON JUL 4	9.09 ON JUL 4	0.3682 ON MAY 1	43 800	1975
1976	14.2 AT 23:30 MST ON JUN 30	13.2 ON JUL 1	0.7458 ON OCT 23	75 000	1976
1977	14.1 AT 20:30 MST ON JUN 7	14.6 ON JUN 8	0.694 ON OCT 30	45 000	1977
1978	14.4 AT 21:30 MST ON JUN 6	11.1 ON JUN 8	0.773 ON MAY 8	53 400	1978
1979	10.6 AT 21:30 MST ON JUN 13	8.75 ON JUN 13	0.5808 ON MAY 1	40 100	1979
1980	14.2 AT 21:10 MST ON JUN 16	9.67 ON MAY 21	0.4016 ON OCT 31	51 400	1980
1981	36.6 AT 03:00 MST ON MAY 26	29.4 ON MAY 26 *	0.7726 ON OCT 27	82 500	1981
1982	24.2 AT 21:15 MST ON JUN 14	15.9 ON JUN 14	0.3578 ON MAY 13 *	52 200	1982
1983	25.7 AT 20:40 MST ON MAY 30	15.7 ON MAY 30	0.600 ON OCT 30	43 400	1983
1984	34.2 AT 17:50 MST ON JUN 29	26.6 ON JUN 29	0.3508 ON MAY 3	48 700	1984
1985	15.5 AT 00:20 MST ON MAY 25	13.3 ON MAY 25	0.4708 ON MAY 1	43 800	1985
1986	37.8 AT 20:54 MST ON JUN 1 *	28.8 ON MAY 29	0.3588 ON MAY 2	74 200	1986
				52 700	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

JOSLYN CREEK NEAR FORT MACKAY - STATION NO 07DA016

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	---	1.22	1.45	0.733	0.294	0.093	---	1975
1976	0.045	0.020	0.013	4.56	0.884	---	---	0.380	0.255	0.529	0.144	0.009	---	1976
1977	0.012	0.024	0.021	0.549	0.480	0.289	0.766	0.251	0.234	0.381	0.081	0.024	0.389	1977
1978	0.012	0.004	0.002	3.33	3.16	0.739	0.184	0.179	3.02	1.01	0.331	0.053	1.32	1978
1979	0.015	0.006	0.007	1.04	6.45	0.909	0.125	0.200	0.443	0.283	0.187	0.045	1.19	1979
1980	0.027	0.038	0.037	0.619	0.249	0.187	0.342	0.714	0.493	0.290	0.134	0.004	0.383	1980
1981	0.004	0.003	0.002	0.676	1.90	0.425	0.355	0.047	0.002	0.134	---	---	0.443	1981
1982	---	---	0.002	0.808	3.53	0.222	0.057	0.112	0.077	0.135	---	---	0.470	1982
1983	---	---	0.051	2.70	0.818	0.531	0.554	0.207	0.085	0.144	---	---	0.643	1983
1984	---	---	0.020	1.19	0.485	3.42	0.890	0.598	0.507	0.499	---	---	0.937	1984
1985	---	---	0.028	1.84	7.19	0.395	0.081	0.072	0.243	0.295	---	---	1.22	1985
1986	---	---	0.010	8.00	8.04	0.790	0.826	0.388	0.100	0.204	---	---	2.01	1986
MEAN	0.031	0.018	0.018	2.16	2.72	0.799	0.394	0.361	0.576	0.387	0.195	0.038	0.897	MEAN

LOCATION - LAT 57 16 27 N
LONG 111 44 30 W
DRAINAGE AREA 257 km²
NATURAL FLOW

JOSLYN CREEK NEAR FORT MACKAY - STATION NO 07DA016

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1975	---	---	---	---	1975
1976	15.4 AT 01 10 MST ON APR 14	14.4 ON APR 14	0.0038 ON MAR 3	---	1976
1977	2.39 AT 15 10 MST ON JUL 4	1.83 ON JUL 5	0.0078 ON APR 3	7 810	1977
1978	---	11.9 E ON APR 29	0 8 ON MAR 3 *	27 900	1978
1979	12.2 AT 15 15 MST ON MAY 10	11.6 ON MAY 11	0.0018 ON MAR 1	25 200	1979
1980	2.76 AT 21 30 MST ON AUG 6	2.03 ON AUG 6	0.002 ON JUL 4	7 680	1980
1981	5.63 AT 03 35 MST ON MAY 1	5.16 ON MAY 1	0.0029 ON MAR 1	9 380	1981
1982	9.32 AT 15 47 MST ON MAY 1	8.348 ON MAY 1	0.0028 ON MAR 1	9 980	1982
1983	10.9 AT 19 15 MST ON APR 23	10.4 B ON APR 23	0.028 ON SEP 9	13 800	1983
1984	---	23.0 E ON JUN 3	0.0018 ON MAR 1	19 800	1984
1985	---	80.0 E ON MAY 8 *	0.003 ON JUL 25	25 800	1985
1986	19.9 B AT 11 50 MST ON APR 25 *	17.9 B ON APR 25	0 8 ON MAR 1	42 400	1986
				19 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

JUMPINGPOUND CREEK AT BATEMAN'S RANCH - STATION NO 05BH011

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	4.31	3.40	---	---	---	---	---	---	---	1972
MEAN	---	---	---	---	4.31	3.40	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 51 01 23 N
LONG 114 38 59 W
DRAINAGE AREA 240 km²
NATURAL FLOW

JUMPINGPOUND CREEK AT BATEMAN'S RANCH - STATION NO 05BH011

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1972	---	8.78 ON JUN 25 *	---	---	1972
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

JUMPINGPOUND CREEK NEAR COX HILL - STATION NO 05BH013

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	---	---	---	---	---	0.890	0.239	0.127	---	---	---	1976
1977	---	---	---	---	0.983	0.337	0.150	0.259	0.264	0.235	---	---	0.303	1977
1978	---	---	---	---	1.01	1.21	0.895	0.329	0.253	0.154	---	---	0.805	1978
1979	---	---	---	---	0.971	0.827	0.231	0.119	0.075	0.058	---	---	0.348	1979
1980	---	---	---	---	0.857	1.53	0.191	0.189	0.247	0.176	---	---	0.524	1980
1981	---	---	---	---	2.60	2.24	0.983	0.877	0.136	0.080	---	---	1.12	1981
1982	---	---	---	---	0.349	1.62	0.417	0.121	0.085	0.087	---	---	0.442	1982
1983	---	---	---	---	1.05	0.861	0.738	0.136	0.089	0.080	---	---	0.480	1983
1984	---	---	---	---	0.292	0.731	0.173	0.085	0.054	0.108	---	---	0.242	1984
1985	---	---	---	---	0.737	0.544	0.158	0.428	1.08	0.300	---	---	0.539	1985
1986	---	---	---	---	1.06	0.788	0.345	0.285	0.201	0.959	---	---	0.608	1986
MEAN	---	---	---	---	0.938	1.03	0.406	0.318	0.247	0.215	---	---	0.519	MEAN

LOCATION - LAT 51 00 05 N
LONG 114 56 14 W
DRAINAGE AREA 36.0 km²
NATURAL FLOW

JUMPINGPOUND CREEK NEAR COX HILL - STATION NO. 05BH013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1976	---	---	---	---	1976
1977	1.53 AT 02:30 MST ON MAY 24	1.40 ON MAY 24	0.091 ON AUG 1	4 820	1977
1978	2.35 AT 19:30 MST ON MAY 21	1.81 ON JUN 5	0.127 ON OCT 28	9 540	1978
1979	3.77 AT 18:00 MST ON MAY 24	3.03 ON MAY 24	0.0338 ON OCT 29	5 530	1979
1980	7.28 AT 05:00 MST ON JUN 3	5.76 ON JUN 3	0.119 ON JUL 28	8 330	1980
1981	12.3 AT 18:00 MST ON MAY 21 *	9.76 ON JUN 1 *	0.052 ON OCT 23	17 700	1981
1982	3.86 AT 20:38 MST ON JUN 5	3.43 ON JUN 5	0.0858 ON OCT 31	7 020	1982
1983	2.53 AT 23:36 MST ON JUL 3	2.30 ON JUL 4	0.0738 ON OCT 28	7 320	1983
1984	2.15 AT 22:56 MST ON JUN 10	2.07 ON JUN 10	0.0208 ON OCT 31 *	3 850	1984
1985	8.40 AT 22:48 MST ON SEP 12	6.28 ON SEP 13	0.078 ON AUG 7	8 570	1985
1986	3.14 AT 15:06 MST ON MAY 21	2.82 ON MAY 21	0.070 ON MAY 1	9 880	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		8 240	MEAN

JUMPINGPOUND CREEK NEAR JUMPING POUND - STATION NO 05BH005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	---	---	11.8	2.88	1.40	0.813	---	---	---	---	1908
1909	---	---	---	---	8.31	5.34	3.44	1.76	0.899	0.585	---	---	---	1909
1910	---	---	---	---	0.834	1.16	0.188	0.252	1.81	0.486	---	---	---	1910
1911	---	---	---	---	3.80	8.13	5.82	10.1	5.20	---	---	---	---	1911
1912	---	---	---	---	4.98	5.89	20.0	6.30	4.10	2.86	---	---	---	1912
1913	---	---	---	---	4.07	8.27	3.36	3.78	1.47	0.746	---	---	---	1913
1914	---	---	---	---	1.62	1.99	1.14	0.523	0.330	0.737	---	---	---	1914
1915	---	---	---	0.787	9.68	29.5	27.4	6.81	3.80	3.88	---	---	---	1915
1916	---	---	---	---	10.6	43.7	8.43	13.7	21.9	4.20	---	---	---	1916
1917	---	---	---	---	16.0	25.8	2.10	1.50	1.58	1.04	---	---	---	1917
1918	---	---	---	---	2.88	3.91	1.27	1.01	0.836	0.884	---	---	---	1918
1919	---	---	---	---	1.80	1.02	0.480	3.28	0.698	0.580	---	---	---	1919
1933	---	---	---	---	---	2.76	1.61	1.23	---	---	---	---	---	1933
MEAN	---	---	---	0.787	5.65	11.2	5.99	3.97	3.61	1.55	---	---	---	MEAN

LOCATION - LAT 51 04 08 N DRAINAGE AREA 455 km^2
LONG 114 32 47 W NATURAL FLOW

JUMPINGPOUND CREEK NEAR JUMPING POUND - STATION NO 05BH005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1908	---	---	---	---	1908
1909	---	---	---	---	1909
1910	---	---	---	---	1910
1911	---	34.0 ON AUG 6 *	---	---	1911
1912	---	---	---	---	1912
1913	---	---	---	---	1913
1914	---	12.9 ON APR 6	---	---	1914
1915	---	---	---	---	1915
1916	---	---	---	---	1916
1917	---	---	---	---	1917
1918	---	---	---	---	1918
1919	---	---	---	---	1919
1933	---	---	---	---	1933
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

JUMPINGPOUND CREEK NEAR THE MOUTH - STATION NO 05BH009

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	---	---	---	5.75	5.56	4.41	---	---	---	1965
1966	---	---	0.382	0.799	4.17	5.04	3.90	1.55	0.621	0.882	---	---	---	1966
1967	---	---	0.277	2.91	9.62	12.6	1.71	0.592	0.273	0.280	---	---	---	1967
1968	---	---	0.204	1.01	1.63	5.49	1.52	1.03	1.85	2.56	---	---	---	1968
1969	---	---	2.11	3.94	10.4	14.2	16.2	2.05	0.888	0.842	---	---	---	1969
1970	---	---	0.228	2.34	4.17	11.1	2.93	0.528	0.308	0.286	0.290	0.129	---	1970
1971	0.089	0.372	0.288	3.24	4.30	7.81	1.18	0.359	0.329	0.393	0.313	0.034	1.64	1971
1972	0.008	0.001	1.90	1.90	4.88	4.47	2.58	0.848	0.831	0.721	0.514	0.241	1.57	1972
1973	0.323	0.270	0.738	2.05	7.85	7.02	1.40	0.613	0.693	0.577	0.271	0.283	1.86	1973
1974	0.084	0.190	0.259	3.35	11.0	7.40	1.45	1.10	0.671	0.645	0.313	0.194	2.23	1974
1975	0.114	0.087	0.131	1.77	3.17	2.57	1.10	0.704	0.404	0.382	0.171	0.171	0.900	1975
1976	0.157	0.212	0.233	1.00	2.61	1.43	0.647	2.91	0.884	0.508	0.268	0.196	0.941	1976
1977	0.186	0.215	0.267	0.853	1.82	0.831	0.415	0.637	0.738	0.736	0.357	0.170	0.596	1977
1978	0.117	0.180	1.75	1.76	4.84	4.43	3.33	1.58	1.84	0.903	0.683	0.298	1.84	1978
1979	0.027	0.027	1.22	2.35	4.67	2.10	0.705	0.469	0.260	0.289	0.250	0.155	1.05	1979
1980	0.031	0.019	0.025	1.87	2.80	6.82	0.797	0.814	0.883	0.852	0.543	0.801	1.28	1980
1981	0.320	0.159	0.418	0.426	12.2	10.5	4.95	4.10	1.01	0.720	0.431	0.152	2.97	1981
1982	0.005	0	0.070	1.85	1.45	5.73	2.31	0.480	0.468	0.445	0.227	0.118	1.08	1982
1983	0.109	0.120	0.243	2.74	3.61	2.15	2.84	0.445	0.282	0.289	0.181	0.043	1.05	1983
1984	0.045	0.140	0.228	0.454	0.582	2.47	0.383	0.098	0.188	0.254	0.134	0.068	0.415	1984
1985	0.010	0.004	0.184	0.945	1.84	1.79	0.388	0.892	4.24	1.25	0.586	0.485	1.05	1985
1986	0.222	0.459	0.881	0.856	5.03	3.35	3.17	1.03	2.05	4.76	1.68	0.592	1.98	1986
MEAN	0.114	0.154	0.553	1.80	4.89	5.86	2.57	1.32	1.15	1.02	0.417	0.232	1.40	MEAN

LOCATION - LAT 51 09 15 N DRAINAGE AREA 571 km²
LONG 114 31 42 W NATURAL FLOW

JUMPINGPOUND CREEK NEAR THE MOUTH - STATION NO 05BH009

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1965	---	---	---	---	1965
1966	28.3 AT 18 00 MST ON JUL 3	21.2 ON JUL 3	---	---	1966
1967	115 AT 06 05 MST ON MAY 31	88.0 ON MAY 31	---	---	1967
1968	23.6 AT 01 06 MST ON JUN 9	20.2 ON JUN 9	---	---	1968
1969	138 AT 15 24 MST ON JUN 29 *	99.7 ON JUN 29 *	---	---	1969
1970	91.5 AT 12 50 MST ON JUN 14	71.9 ON JUN 14	---	---	1970
1971	40.2 AT 21 00 MST ON JUN 6	30.3 ON JUN 7	0 B ON DEC 20 *	44 400	1971
1972	14.6 AT 04 00 MST ON JUN 25	13.5 ON JUN 25	0 B ON JAN 1	49 800	1972
1973	32.8 AT 06 00 MST ON MAY 27	30.0 ON MAY 27	0 1138 ON DEC 31	58 700	1973
1974	18.1 AT 11 30 MST ON MAY 27	17.5 ON MAY 27	0 0078 ON JAN 17	70 300	1974
1975	8.47 AT 07 00 MST ON JUN 21	8.21 ON JUN 21	0 0128 ON FEB 3	28 400	1975
1976	8.98 AT 01 30 MST ON AUG 10	8.07 ON AUG 10	0 0578 ON JAN 5	29 800	1976
1977	4.45 AT 18 30 MST ON MAY 16	3.88 ON MAY 16	0 0288 ON DEC 9	18 800	1977
1978	11.3 AT 07 40 MST ON MAY 17	10.4 ON JUL 19	0 0318 ON DEC 29	57 800	1978
1979	7.42 AT 15 00 MST ON MAY 25	7.10 ON MAY 25	0 B ON JAN 18	33 100	1979
1980	24.7 AT 05 00 MST ON JUN 4	22.7 ON JUN 4	0 B ON JAN 10	40 000	1980
1981	43.5 AT 13 45 MST ON JUN 1	38.2 ON MAY 22	0 0508 ON FEB 13	93 700	1981
1982	12.4 AT 21 02 MST ON JUN 28	9.77 ON JUN 29	0 B ON JAN 5	34 000	1982
1983	25.4 AT 10 43 MST ON APR 25	17.7 ON APR 25	0 B ON DEC 23	24 400	1983
1984	10.7 AT 10 50 MST ON JUN 8	9.30 ON JUN 9	0 B ON DEC 31	13 100	1984
1985	29.4 AT 12 51 MST ON SEP 13	25.0 ON SEP 13	0 B ON JAN 1	33 300	1985
1986	13.5 AT 00 24 MST ON JUL 18	12.0 ON MAY 22	0 1108 ON FEB 20	62 400	1986
				44 100	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

KAKWA RIVER NEAR GRANDE PRAIRIE - STATION NO 07GB002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	---	---	15.1	11.2	---	---	---	1975
1976	---	---	---	---	---	---	87.4	89.7	50.9	21.6	---	---	---	1976
1977	---	---	---	---	126	122	99.6	52.9	48.4	47.6	---	---	---	1977
1978	---	---	---	---	66.9	102	88.0	26.4	43.5	28.3	---	---	---	1978
1979	---	---	---	---	89.6	185	79.1	22.8	13.3	11.7	---	---	---	1979
1980	---	---	---	---	74.0	198	46.5	25.9	36.9	28.6	---	---	---	1980
1981	---	---	---	---	100	87.1	44.8	25.6	11.2	8.05	---	---	---	1981
1982	---	---	---	---	92.6	180	215	49.9	46.3	25.5	---	---	---	1982
1983	---	---	3.05	14.7	82.2	93.2	128	31.3	16.5	12.9	---	---	45.3	1983
1984	---	---	5.07	15.3	43.0	117	53.9	20.1	47.8	53.9	---	---	44.3	1984
1985	---	---	4.02	12.8	82.7	100	49.6	24.4	85.3	32.1	---	---	45.0	1985
1986	---	---	5.21	11.3	96.6	145	108	21.6	17.1	27.3	---	---	54.3	1986
MEAN	---	---	4.35	13.5	83.6	135	89.1	40.1	33.5	25.5	---	---	47.2	MEAN

LOCATION - LAT 54 22 20 N DRAINAGE AREA 3 300 km²
LONG 118 35 40 W NATURAL FLOW

KAKWA RIVER NEAR GRANDE PRAIRIE - STATION NO. 07GB002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	---	---	1975
1976	278E ON JUN 27	275E ON JUN 27	---	---	1976
1977	368 AT 05 00 MST ON MAY 8	309 ON MAY 8	---	---	1977
1978	292 AT 21 00 MST ON JUL 11	220 ON JUN 23	---	---	1978
1979	317 AT 10 30 MST ON MAY 27	275 ON MAY 27	---	---	1979
1980	736 AT 21 30 MST ON JUN 4	683 ON JUN 4	---	---	1980
1981	226 AT 19 30 MST ON MAY 26	205 ON MAY 27	---	---	1981
1982	2 700 AT 21 00 MST ON JUL 15 *	1 880A ON JUL 15 *	---	---	1982
1983	587A ON JUL 15	400E ON JUL 15	2.038 ON MAR 2 *	959 000	1983
1984	192 AT 20 00 MST ON JUN 7	180A ON JUN 9	3.758 ON MAR 14	937 000	1984
1985	184 AT 10 30 MST ON MAY 23	168A ON MAY 25	2.838 ON MAR 25	953 000	1985
1986	356 AT 10 00 MST ON MAY 29	318 ON MAY 28	3.808 ON MAR 13	1 150 000	1986
				1 000 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

KANANASKIS RIVER ABOVE LOWER LAKE - STATION NO. 05BF002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1931	---	---	---	---	---	---	11.9	11.4	6.89	2.13	---	---	---	1931
1932	---	---	---	0.042	4.00	15.2	12.9	11.2	7.83	2.72	0.998	0.020	---	1932
1933	2.78	0.499	0.026	0.089	6.61	11.6	15.6	7.85	4.86	1.19	1.01	4.16	4.74	1933
1934	4.04	4.44	0.884	0.867	3.31	11.0	11.4	11.0	6.84	0.814	1.88	3.91	5.22	1934
1935	1.48	0.898	0.445	0.428	---	---	---	---	---	---	---	---	---	1935
MEAN	2.76	1.85	0.445	0.377	4.64	12.6	13.0	10.4	7.13	1.71	1.33	2.71	4.88	MEAN

LOCATION - LAT 50 37 30 N, LONG 115 07 30 W
DRAINAGE AREA 191 km^2, REGULATED
DATA CONTRIBUTED BY - TRANSALTA UTILITIES CORPORATION

KANANASKIS RIVER ABOVE LOWER LAKE - STATION NO. 05BF002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1931	---	---	---	---	1931
1932	---	17.8 ON JUN 16	---	---	1932
1933	---	32.0 ON MAY 15 *	0.028 ON JAN 1 *	149 000	1933
1934	---	15.5E ON SEP 2	0.176 ON OCT 29	164 000	1934
1935	---	---	---	---	1935
				157 000	MEAN

E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

KANANASKIS RIVER ABOVE POCATERRA CREEK - STATION NO 05BF003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1931	---	---	---	---	---	---	17.9	14.8	9.83	3.03	---	---	---	1931
1932	---	---	---	---	---	29.8	21.0	17.2	11.6	4.87	2.29	1.38	---	1932
1933	3.77	1.31	0.889	0.955	10.9	27.8	26.7	14.5	8.04	3.37	2.20	5.09	8.83	1933
1934	4.84	5.39	1.72	3.52	14.3	19.9	17.8	15.4	11.7	2.58	2.77	5.24	8.78	1934
1935	2.37	1.26	0.881	0.870	3.12	16.7	22.0	12.7	3.33	3.46	4.32	8.37	6.66	1935
1936	5.36	4.92	0.939	1.03	8.18	17.2	19.1	12.2	3.15	2.33	5.87	9.20	7.49	1936
1937	7.35	2.08	0.788	1.01	4.56	10.2	19.6	15.7	5.80	3.13	4.09	1.98	6.40	1937
1938	1.87	1.47	3.11	2.37	9.51	30.8	23.5	12.2	5.78	5.29	2.76	6.89	8.82	1938
1939	3.92	8.29	3.76	1.50	6.00	9.11	14.3	14.6	9.84	3.50	3.13	5.10	6.91	1939
1940	5.90	9.08	5.20	1.14	8.24	11.8	12.8	14.1	14.0	5.56	8.61	7.72	9.76	1940
1941	5.49	4.15	---	---	4.04	7.89	12.0	12.0	7.58	4.41	3.08	---	---	1941
1942	---	---	---	1.70	7.54	11.2	11.1	5.96	---	---	---	---	---	1942
1943	---	---	---	---	3.27	8.50	11.2	4.96	2.22	---	---	---	---	1943
1944	9.98	8.83	7.71	4.47	4.28	8.91	5.28	4.57	2.75	1.44	4.86	10.7	5.98	1944
1945	9.34	8.28	6.91	4.28	2.87	10.8	7.86	4.19	2.53	1.83	9.90	10.4	6.58	1945
1946	8.84	7.63	6.84	4.79	8.39	12.5	8.08	4.56	3.84	4.12	11.2	12.3	7.76	1946
1947	10.7	9.28	7.72	5.21	8.43	13.8	9.84	4.39	7.90	7.76	11.3	11.6	8.97	1947
1948	10.3	9.11	7.31	5.56	11.3	16.5	8.40	6.61	5.09	5.77	9.13	11.6	8.89	1948
1949	10.3	9.19	7.58	4.79	5.24	6.13	4.75	4.18	2.20	2.16	9.80	9.12	6.27	1949
1950	8.13	6.84	4.02	4.73	3.24	13.6	8.96	3.96	2.97	6.40	11.5	10.6	7.07	1950
1951	9.77	8.38	6.73	3.99	7.67	11.4	14.1	5.45	7.08	7.11	12.2	12.1	8.85	1951
1952	10.7	8.93	7.20	5.99	6.11	8.80	6.95	4.23	2.52	1.50	10.8	11.7	7.09	1952
1953	10.5	8.27	6.82	5.19	3.13	11.9	9.86	4.16	2.44	1.82	9.86	11.7	7.11	1953
1954	10.8	9.06	7.71	6.59	6.35	13.5	13.7	5.92	5.18	5.43	13.2	13.3	9.23	1954
1955	11.3	9.86	8.44	0.873	1.37	9.32	---	---	---	---	---	---	---	1955
1975	12.9	13.8	17.3	0.556	0.185	0.492	2.63	1.55	5.78	2.12	7.23	12.1	5.35	1975
1976	16.5	19.6	15.2	0.853	1.11	3.02	0.802	10.2	10.4	5.45	8.27	9.06	8.33	1976
1977	13.3	12.5	7.19	6.27	1.12	1.01	0.272	0.337	0.188	5.83	16.4	8.74	5.11	1977
1978	8.15	14.0	15.2	1.95	0.374	0.715	2.95	6.35	6.52	7.22	9.04	11.6	5.97	1978
1979	11.0	13.3	10.4	9.16	1.06	0.050	0.388	1.82	10.8	3.90	6.08	7.52	6.15	1979
1980	9.24	12.8	12.5	5.59	1.46	9.87	3.05	3.00	2.90	9.20	15.2	14.2	8.29	1980
1981	17.7	11.3	0.093	0.183	0.353	5.25	6.38	11.5	7.85	9.12	14.2	10.9	7.89	1981
1982	10.2	13.9	12.8	8.77	0.388	2.03	2.94	0.891	1.45	3.41	8.75	12.5	8.48	1982
1983	12.7	12.9	12.0	6.13	1.20	0.844	0.398	3.57	8.08	5.02	8.74	11.8	7.00	1983
1984	12.2	12.0	8.90	2.89	0.574	0.335	0.634	2.58	4.18	3.33	8.77	11.0	5.44	1984
1985	11.8	13.1	12.1	2.83	0.634	2.16	6.71	4.14	1.09	0.214	5.10	9.84	5.80	1985
1986	10.9	10.5	11.0	12.5	6.80	23.0	1.41	3.77	4.78	3.18	14.2	16.6	9.85	1986
MEAN	9.36	9.12	7.34	3.88	4.67	10.7	9.87	7.45	5.77	4.31	8.24	9.75	7.45	MEAN

LOCATION - LAT 50 42 00 N
LONG 115 07 05 W

DRAINAGE AREA 352 km²
REGULATED SINCE 1932

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

KANANASKIS RIVER ABOVE POCATERRA CREEK - STATION NO 05BF003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1931	---	---	---	---	1931
1932	---	---	---	---	1932
1933	---	43.6E ON JUN 2	---	---	1933
1934	---	46.2 ON JUN 18 *	0.595 ON FEB 14	278 000	1934
		28.9 ON MAY 30	1.12 B ON NOV 23	276 000	
1935	---	24.7 ON JUL 25	0.793 ON APR 28	210 000	1935
1936	---	25.6 ON JUN 2	0.765 ON APR 1	237 000	1936
1937	---	22.9E ON JUL 16	0.708B ON MAR 27	202 000	1937
1938	---	38.2 ON JUN 22	1.02 B ON MAR 5	278 000	1938
1939	---	18.7 ON JUL 31	1.39 ON APR 27	218 000	1939
1940	---	22.7E ON SEP 6	1.05 ON APR 28	277 000	1940
1941	---	17.5 ON JUL 20	---	---	1941
1942	---	22.5 ON JUN 5	---	---	1942
1943	---	17.7 ON JUL 9	---	---	1943
1944	---	11.8 ON NOV 23	0.481 ON NOV 13	189 000	1944
1945	---	22.0 ON JUN 22	1.53 ON MAY 22	207 000	1945
1946	---	24.5 ON MAY 29	2.18 ON OCT 30	245 000	1946
1947	---	19.3 ON JUN 3	2.88 ON MAY 1	283 000	1947
1948	---	45.0 ON MAY 24	3.09 ON MAY 12	241 000	1948
1949	---	11.2 ON JAN 3	1.12 ON OCT 27	198 000	1949
1950	---	28.6 ON JUN 15	1.81 ON SEP 18	223 000	1950
1951	---	23.7 ON JUN 15	2.52 ON APR 30	279 000	1951
1952	---	13.3 ON JUN 5	1.18 ON NOV 1	224 000	1952
1953	---	23.4 ON JUN 13	1.41 ON OCT 25	224 000	1953
1954	---	21.2 ON JUL 2	2.15 ON MAY 15	291 000	1954
1955	---	28.7 ON JUN 13	---	---	1955
1975	---	27.2 ON JUL 4	0.028 ON APR 5 *	200 000	1975
1976	---	29.4 ON JAN 7	0.057 ON APR 3	283 000	1976
1977	30.0 ON DEC 30	29.4 ON NOV 20	0.028 ON JAN 25	183 000	1977
1978	32.3 AT 13 00 MST ON OCT 12	19.8 ON FEB 25	0.028 ON JAN 11	220 000	1978
1979	---	17.8 ON FEB 22	0.028 ON APR 29	184 000	1979
1980	---	20.1 ON NOV 18	0.028 ON APR 13	282 000	1980
1981	34.5 AT 15 25 MST ON NOV 24	23.9 ON JAN 31	0.073 ON MAR 17	249 000	1981
1982	40.5 AT 09 39 MST ON OCT 26 *	20.2 ON JAN 21	0.028 ON APR 20	204 000	1982
1983	---	16.6 ON MAR 11	0.039 ON APR 16	221 000	1983
1984	---	15.8 ON FEB 13	0.035 ON APR 8	172 000	1984
1985	---	28.8 ON JUL 23	0.036 ON APR 23	183 000	1985
1986	---	25.1 ON JUN 30	0.028 ON FEB 23	311 000	1986
				235 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

KANANASKIS RIVER AT CANYON ABOVE LOWER FALLS - STATION NO 05BF022

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1933	...	...	...	...	...	...	...	...	...	3 30	2 17	5 09	...	1933
1934	4 88	5 31	1 84	3 38	14 4	19 9	17 9	15 2	11 7	2 55	2 91	...	...	1934
1935	...	...	...	...	3 20	16 9	...	...	...	...	...	...	...	1935
MEAN	4 88	5 31	1 84	3 38	8 80	18 4	17 9	15 2	11 7	2 94	2 44	5 09	...	MEAN

LOCATION LAT 50 42 00 N DRAINAGE AREA 387 km²
LONG 115 08 00 W REGULATED

KANANASKIS RIVER AT CANYON ABOVE LOWER FALLS - STATION NO 05BF022

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1933	...	...	...	...	1933
1934	...	29 7 ON MAY 30 *	0 994 ON MAR 24 *	...	1934
1935	...	...	...	...	1935
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		...	MEAN

KANANASKIS RIVER AT OUTLET OF LOWER LAKE - STATION NO 05BF010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1932	...	...	...	...	...	...	13 9	12 2	7 96	3 67	1 44	0 383	...	1932
1933	2 95	0 831	0 206	0 231	6 89	13 6	16 1	8 37	5 24	1 43	1 06	4 14	5 13	1933
1934	3 84	4 41	1 08	1 57	5 71	11 5	11 4	11 2	9 03	1 08	1 58	4 24	5 55	1934
1935	1 82	0 807	0 434	0 434	0 835	6 50	13 2	7 91	0 912	2 28	3 40	7 38	3 83	1935
1936	4 92	4 44	0 527	0 502	3 85	8 88	12 6	7 97	0 885	1 11	4 82	8 25	4 90	1936
1937	8 20	1 85	0 440	0 516	1 83	2 13	11 9	11 0	2 76	1 39	2 57	1 10	3 85	1937
1938	0 905	0 870	2 90	2 08	6 22	18 6	16 7	8 35	3 41	4 00	1 37	6 16	6 00	1938
1939	3 37	7 67	2 85	0 721	1 82	2 71	8 82	10 4	6 47	1 54	1 83	3 81	4 15	1939
1940	5 85	7 80	4 09	0 745	2 84	3 83	6 44	9 85	9 28	3 70	7 50	6 87	5 73	1940
1941	5 09	...	...	...	1 67	2 08	7 40	8 68	4 72	2 51	2 10	...	...	1941
1942	...	...	...	1 05	2 25	2 77	1 68	0 821	...	...	...	...	...	1942
1943	...	...	...	...	1 01	1 98	1 78	0 433	0 203	...	...	...	...	1943
1944	...	...	...	...	...	...	...	...	...	0 185	3 40	8 18	...	1944
1945	7 58	6 88	6 03	3 72	1 27	3 87	1 84	0 473	0 313	0 286	7 10	7 91	3 90	1945
1946	7 17	6 72	6 46	4 68	3 33	2 63	1 21	0 637	0 739	2 96	10 0	11 1	4 78	1946
1947	8 97	8 84	7 89	5 05	2 46	2 69	1 20	0 586	4 84	6 07	10 2	10 8	5 84	1947
1948	8 33	...	...	...	...	...	...	...	...	...	...	...	...	1948
MEAN	5 29	4 62	2 87	1 77	3 01	5 98	8 27	5 58	4 04	2 30	4 14	6 18	4 85	MEAN

LOCATION - LAT 50 40 30 N DRAINAGE AREA 208 km²
LONG 115 08 10 W REGULATED

KANANASKIS RIVER AT OUTLET OF LOWER LAKE - STATION NO 05BF010

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1932	...	...	...	...	1932
1933	...	17 7 ON JUN 23	0 187 ON MAR 21 *	182 000	1933
1934	...	14 5 ON SEP 3	0 294 ON NOV 5	175 000	1934
1935	...	16 3 ON JUL 29	0 255 ON MAY 9	121 000	1935
1936	...	14 9 ON AUG 2	0 396 ON APR 1	155 000	1936
1937	...	14 6 ON JUL 16	0 3688 ON MAR 27	115 000	1937
1938	...	23 8 ON MAY 30 *	0 850 ON FEB 21	189 000	1938
1939	...	11 2 ON FEB 20	0 476 ON APR 28	131 000	1939
1940	...	12 5 ON FEB 24	0 633 ON APR 28	181 000	1940
1941	...	11 6 ON JUL 23	...	...	1941
1942	...	11 2 ON JAN 17	...	...	1942
1943	...	15 8 ON FEB 9	...	...	1943
1944	...	...	...	...	1944
1945	...	9 08E ON JUN 24	0 241E ON OCT 1	123 000	1945
1946	...	11 8 ON NOV 23	0 382 ON AUG 22	151 000	1946
1947	...	12 5 ON SEP 24	0 382 ON SEP 4	184 000	1947
1948	...	...	...	...	1948
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		153 000	MEAN

KANANASKIS RIVER BELOW BARRIER DAM STATION NO 05BF025

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	14 1	14 7	15 8	9 90	8 43	15 1	15 0	8 42	8 85	5 84	10 4	12 7	12 0	1975
1976	17 4	20 8	17 4	10 9	13 1	15 2	9 81	19 4	17 4	9 79	11 1	11 2	14 4	1976
1977	15 7	14 2	11 4	8 43	8 80	11 5	5 44	8 07	5 95	8 19	17 5	9 55	10 4	1977
1978	8 73	15 6	16 9	8 85	10 5	21 3	13 9	12 4	11 8	12 4	11 5	14 6	13 2	1978
1979	11 7	15 3	13 5	14 9	14 1	12 3	4 57	8 97	13 8	5 71	8 14	8 67	10 8	1979
1980	8 78	13 8	14 7	10 6	15 9	35 4	10 2	8 82	9 48	13 4	18 9	16 6	14 8	1980
1981	20 5	14 5	3 85	4 79	23 7	32 7	29 2	19 9	12 9	12 5	17 8	12 2	17 1	1981
1982	10 8	16 3	15 9	18 7	7 58	25 1	12 2	5 86	4 81	6 87	10 0	15 3	12 4	1982
1983	15 5	15 6	15 0	10 8	16 0	14 0	10 2	7 39	12 2	9 36	10 8	12 7	12 4	1983
1984	15 3	14 8	11 6	10 5	8 91	16 8	7 27	7 37	6 99	7 47	8 57	12 7	10 5	1984
1985	14 8	16 0	15 9	13 5	13 0	12 3	16 0	8 31	9 57	6 55	7 54	14 1	12 3	1985
1986	13 8	14 0	15 7	20 2	23 5	50 0	13 3	10 5	11 3	10 5	20 1	24 0	18 9	1986
MEAN	14 0	15 5	14 3	11 9	13 5	21 8	12 2	10 1	10 5	9 13	12 5	13 7	13 3	MEAN

LOCATION LAT 51 02 30 N LONG 115 01 55 W DRAINAGE AREA 899 km² REGULATED

DATA CONTRIBUTED BY : TRANSALTA UTILITIES CORPORATION

KANANASKIS RIVER BELOW BARRIER DAM - STATION NO 05BF025

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1975	---	32 0 ON JUN 23	0 227E ON MAY 12	379 000	1975
1976	---	32 0 ON AUG 6	0 255 ON MAY 31	456 000	1976
1977	55 5 AT 12 10 MST ON MAY 13 *	31 4 ON NOV 24	0 255 ON SEP 20	327 000	1977
1978	30 9 IN JUN	29 4 ON JUN 6	0 283 ON APR 2	417 000	1978
1979	---	28 8 ON MAY 19	0 142 ON MAY 23 *	334 000	1979
1980	---	51 1 ON JUN 4	0 198 ON MAR 27	467 000	1980
1981	---	61 4 ON MAY 26	0 193 ON SEP 15	538 000	1981
1982	---	31 8 ON JUN 18	0 377 ON MAY 16	391 000	1982
1983	---	31 1 ON MAY 28	0 388 ON NOV 16	392 000	1983
1984	---	31 1 ON JUN 13	0 292 ON MAY 13	331 000	1984
1985	---	31 4 ON JUL 18	0 204 ON MAY 12	388 000	1985
1986	---	86 7 ON JUN 1 *	0 510 ON APR 13	595 000	1986
				418 000	MEAN

E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

KANANASKIS RIVER IN CANAL BELOW UPPER DAM SITE - STATION NO 05BF021

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1933	---	---	---	---	---	---	---	---	---	---	---	---	---	1933
1934	3 72	4 23	0 785	0 860	3 03	10 5	10 8	11 0	6 83	0 732	1 94	3 83	5 03	1934
1935	1 47	0 543	0 410	0 401	0 114	4 86	12 1	5 71	0 681	2 01	3 29	7 88	3 38	1935
1936	4 88	4 20	0 447	0 472	3 07	8 23	12 9	7 31	0 859	1 13	5 15	8 38	4 74	1936
1937	8 28	1 42	0 406	0 470	0 881	0 126	11 1	11 1	2 22	1 12	1 88	1 00	3 21	1937
1938	0 853	0 813	2 71	1 98	5 33	15 2	15 5	8 50	3 31	3 98	1 10	8 42	5 52	1938
1939	3 00	8 11	2 55	0 496	1 30	1 23	6 83	10 8	6 10	1 08	1 31	3 81	3 87	1939
1940	5 90	8 20	4 01	0 878	1 80	2 89	8 27	10 1	9 03	3 34	7 35	6 55	5 45	1940
1941	4 88	3 57	1 07	0 508	1 05	1 25	7 58	8 78	4 47	2 21	2 10	3 92	3 36	1941
1942	8 48	9 20	1 45	0 454	---	---	---	---	---	---	---	---	---	1942
MEAN	4 41	4 48	1 54	0 698	2 05	5 51	10 4	9 33	4 41	1 85	2 78	4 94	4 33	MEAN

LOCATION - LAT 50 36 40 N LONG 115 07 20 W DRAINAGE AREA 151 km² REGULATED

KANANASKIS RIVER IN CANAL BELOW UPPER DAM SITE - STATION NO 05BF021

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1933	---	---	---	---	1933
1934	---	14 9 ON SEP 2	0 187 ON OCT 31	159 000	1934
1935	---	14 2 ON JUL 28	0 057E ON APR 27 *	107 000	1935
1936	---	14 6 ON AUG 2	0 388E ON APR 1	150 000	1936
1937	---	14 4 ON JUL 19	0 079 ON JUN 13	101 000	1937
1938	---	20 1 ON JUN 22 *	0 708E ON NOV 25	174 000	1938
1939	---	12 4 ON FEB 18	0 085 ON MAY 2	122 000	1939
1940	---	13 2 ON FEB 18	0 086 ON APR 30	173 000	1940
1941	---	11 6 ON JUL 21	0 276 ON APR 25	107 000	1941
1942	---	12 5 ON JAN 20	0 086E ON APR 29	---	1942
				137 000	MEAN

E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

KANANASKIS RIVER NEAR SEEBE - STATION NO 05BF001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	---	---	---	20.2	8.48	---	---	---	1911
1912	3.84	3.85	3.85	3.83	13.5	44.8	56.5	40.3	18.5	10.7	7.14	5.79	17.7	1912
1913	4.76	4.80	3.88	5.05	13.9	48.5	35.3	36.2	28.0	14.4	8.88	6.39	17.5	1913
1914	4.02	4.05	4.33	4.78	20.5	46.8	46.2	27.2	17.0	15.4	8.81	5.59	17.3	1914
1915	2.73	4.11	3.77	5.85	26.1	53.6	57.0	38.6	23.0	13.6	9.29	7.55	20.5	1915
1916	4.46	3.33	4.31	5.99	12.8	88.8	80.6	42.0	32.2	13.8	8.80	5.59	25.3	1916
1917	3.52	2.25	3.87	3.69	21.5	58.9	49.5	26.4	17.5	11.2	6.50	---	---	1917
1918	---	---	---	3.84	9.31	49.0	34.6	26.7	17.5	11.6	5.71	4.02	---	1918
1919	3.25	2.02	2.01	4.75	25.4	40.2	29.6	34.3	18.1	8.87	4.79	5.04	14.9	1919
1920	3.78	3.94	3.09	3.05	10.6	34.3	57.4	27.7	15.3	8.71	5.22	4.32	14.9	1920
1921	3.39	3.51	3.27	4.42	26.4	51.5	40.2	27.7	13.5	8.59	6.38	4.61	16.2	1921
1922	3.36	2.95	3.80	3.74	19.9	47.7	29.5	24.0	16.2	9.33	4.44	2.62	14.0	1922
1923	2.27	2.49	3.08	3.35	11.9	88.1	44.3	28.3	17.6	10.4	6.28	3.26	18.5	1923
1924	2.96	3.58	3.48	3.53	20.1	41.9	40.1	38.9	17.9	7.99	5.73	4.48	15.9	1924
1925	4.10	3.62	3.05	6.37	39.1	51.1	34.5	29.0	19.7	12.1	7.01	4.95	17.1	1925
1926	4.76	4.10	3.58	5.95	11.7	24.9	29.9	19.1	28.5	17.4	10.1	---	---	1926
1927	---	---	---	5.62	14.3	74.4	51.4	33.0	26.5	16.4	7.31	1.81	---	1927
1928	3.31	3.85	4.72	5.22	32.8	61.9	48.8	28.1	15.2	9.62	6.50	4.42	18.7	1928
1929	4.23	3.29	3.70	3.37	18.8	68.0	30.5	21.5	13.4	9.22	5.24	3.84	15.5	1929
1930	2.80	3.58	3.45	6.80	21.8	51.5	42.3	27.2	17.8	8.86	5.07	4.13	16.3	1930
1931	3.70	3.61	3.71	3.33	13.9	33.9	23.4	18.3	12.9	6.29	---	---	---	1931
1932	---	---	---	---	29.2	82.9	32.5	24.4	16.1	8.24	6.17	5.04	---	1932
1933	5.51	2.74	3.14	3.68	22.3	57.2	41.2	21.1	14.5	8.20	6.23	6.01	16.0	1933
1934	8.06	8.06	4.24	8.30	28.4	34.2	25.1	19.0	14.4	6.22	5.57	8.11	14.2	1934
1935	4.76	4.25	3.27	3.24	9.50	34.5	34.0	19.2	6.43	6.35	6.52	5.51	11.8	1935
1936	6.56	5.83	2.52	4.48	16.2	30.0	22.7	14.9	6.14	5.23	7.98	10.6	11.1	1936
1937	8.06	3.62	2.09	2.61	10.8	28.3	31.4	22.9	10.6	8.00	7.38	3.80	11.5	1937
1938	4.81	3.03	4.36	6.14	27.0	54.6	38.5	21.5	10.8	8.97	3.86	6.76	15.9	1938
1939	4.84	7.93	5.83	4.17	12.9	28.6	24.9	19.9	17.5	8.12	6.70	8.18	12.3	1939
1940	7.70	8.38	9.17	5.48	17.9	22.4	18.1	16.9	22.0	11.4	10.5	9.51	13.3	1940
1941	8.06	8.06	8.23	4.85	9.53	17.7	17.6	17.6	15.4	10.4	6.98	7.52	10.4	1941
1942	11.5	9.28	8.88	8.10	33.4	39.1	29.4	17.1	12.9	9.55	7.95	15.9	16.6	1942
1943	7.30	16.7	16.2	12.4	14.5	28.2	31.6	13.8	8.41	6.64	12.8	14.7	15.2	1943
1944	12.8	11.7	10.7	7.61	11.0	18.6	12.8	12.9	8.62	7.46	7.40	11.4	11.1	1944
1945	8.72	8.87	8.38	6.51	14.1	37.7	29.0	13.9	10.6	8.72	14.6	14.1	14.8	1945
1946	12.0	11.1	10.0	9.81	28.2	38.7	20.7	12.1	12.4	9.83	15.6	17.2	16.6	1946
1947	15.1	13.2	10.6	10.8	21.6	38.8	23.6	8.21	15.2	17.2	15.6	16.1	17.2	1947
1948	13.8	10.0	11.8	12.7	33.7	46.1	22.9	17.1	10.5	9.19	10.6	10.5	17.4	1948
1949	---	---	---	---	---	---	9.86	8.16	---	---	8.97	---	---	1949
1950	---	---	---	9.47	---	36.3	---	12.0	6.95	9.54	---	---	---	1950
1951	---	---	---	---	---	---	---	---	24.4	18.8	15.9	---	---	1951
1952	---	6.06	---	17.4	18.5	21.6	20.7	12.7	8.45	5.88	12.5	13.3	---	1952
1953	12.2	10.0	13.5	13.2	14.9	37.5	29.5	12.8	8.23	6.14	12.2	12.6	15.2	1953
1954	15.6	6.52	13.8	14.8	16.0	38.6	36.2	16.2	12.5	12.5	17.1	18.7	18.3	1954
1955	11.7	12.2	10.8	12.2	8.48	23.9	16.3	6.68	4.17	5.10	12.3	17.7	11.6	1955
1956	22.8	21.7	18.2	6.53	15.6	18.9	22.7	11.1	14.6	7.08	14.3	12.2	15.5	1956
1957	15.4	15.5	15.4	17.5	15.7	12.8	7.43	5.41	7.21	8.87	4.88	13.9	11.6	1957
1958	14.7	24.0	21.5	15.1	10.7	17.5	14.4	6.37	5.09	8.48	17.3	20.8	14.6	1958
1959	17.7	28.0	8.81	9.08	7.80	22.5	13.9	9.77	8.48	10.0	9.87	16.4	13.5	1959
1960	15.8	14.0	15.5	8.90	11.8	17.4	15.5	14.7	9.04	7.09	14.2	14.6	13.0	1960
1961	12.7	13.4	13.9	10.3	16.4	31.8	14.9	14.3	13.1	14.3	17.9	19.0	16.0	1961
1962	18.5	22.0	22.4	10.9	8.51	16.7	5.74	5.11	5.14	---	---	---	---	1962
MEAN	8.07	8.18	7.58	7.15	17.9	40.6	31.2	20.5	14.6	9.94	9.14	9.33	15.4	MEAN

LOCATION - LAT 51 02 50 N
LONG 115 01 40 W

DRAINAGE AREA, 933 km²
REGULATED SINCE 1932

KANANASKIS RIVER NEAR SEEBE - STATION NO. 05BF001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	---	---	1911
1912	---	92.3 ON JUL 21	2.04 ON DEC 11	580 000	1912
1913	---	60.9 ON JUN 10	3.17 B ON MAR 31	553 000	1913
1914	---	87.1 ON JUN 19	2.12 B ON FEB 5	545 000	1914
1915	---	152 ON JUN 27	2.12 ON JAN 26	647 000	1915
1916	---	209 ON JUN 18	3.20 B ON FEB 11	798 000	1916
1917	---	85.8 ON JUN 9	1.47 B ON FEB 1	---	1917
1918	---	93.4 ON JUN 15	---	---	1918
1919	---	75.0 ON AUG 5	0.9348 ON MAR 2	471 000	1919
1920	74.2 AT 15 00 MST ON JUL 12	71.4 ON JUL 12	2.07 B ON APR 3	470 000	1920
1921	88.2 AT 09 00 MST ON JUN 8	68.0 ON JUN 8	2.61 B ON MAR 13	512 000	1921
1922	87.4 AT 10 00 MST ON JUN 5	65.7 ON JUN 5	0 B ON FEB 11 *	442 000	1922
1923	188 AT 22 00 MST ON JUN 13	144 ON JUN 1	1.96 B ON JAN 22	582 000	1923
1924	77.0 AT 12 00 MST ON JUL 5	75.9 ON JUL 3	2.18 B ON JAN 3	505 000	1924
1925	89.4 AT 05 00 MST ON MAY 23	88.0 ON JUN 22	2.27 B ON MAR 30	539 000	1925
1926	48.8 AT 19 00 MST ON SEP 1	48.7 ON SEP 1	3.26 B ON APR 8	---	1926
1927	105 AT 21 00 MST ON JUN 9	103 ON JUN 9	---	---	1927
1928	---	82.1E ON JUN 15	1.73 B ON JAN 1	593 000	1928
1929	181 AT 23 00 MST ON JUN 2	146 ON JUN 3	2.94 ON JAN 30	487 000	1929
1930	71.1 AT 03 00 MST ON JUN 11	69.7 ON JUN 11	2.72 B ON JAN 6	514 000	1930
1931	52.1 AT 18 00 MST ON JUN 17	45.9 ON JUN 17	2.86 B ON MAR 27	---	1931
1932	337 AT 16 30 MST ON JUN 2 *	283 ON JUN 3 *	---	---	1932
1933	118 AT 04 00 MST ON JUN 17	111 ON JUN 17	1.02 B ON FEB 13	505 000	1933
1934	57.2 AT 18 00 MST ON MAY 30	55.8 ON MAY 30	3.43 B ON MAR 10	447 000	1934
1935	50.7 AT 04 00 MST ON JUN 19	49.3 ON JUN 18	2.80 E ON APR 4	374 000	1935
1936	89.4 AT 05 00 MST ON JUN 2	83.4 ON JUN 2	2.18 B ON APR 1	352 000	1936
1937	44.2 AT 05 00 MST ON JUN 16	43.0 ON JUL 16	1.70 B ON MAR 30	383 000	1937
1938	85.2 AT 15 00 MST ON MAY 28	82.7 ON MAY 26	2.80 B ON MAR 7	503 000	1938
1939	42.5 AT 02 30 MST ON JUN 23	41.3 ON JUN 22	3.03 B ON JAN 14	388 000	1939
1940	42.5 AT 21 00 MST ON SEP 5	36.5 ON MAY 25	4.76 ON APR 8	420 000	1940
1941	25.1 AT 22 30 MST ON JUL 18	21.7 ON JUL 18	3.28 B ON JAN 8	329 000	1941
1942	57.7 AT 14 30 MST ON MAY 25	56.3 ON MAY 25	5.01 B ON FEB 23	524 000	1942
1943	52.7 AT 07 00 MST ON JUL 3	49.3 ON JUL 3	4.90 B ON JAN 28	481 000	1943
1944	---	28.6 ON JUN 13	3.48 B ON NOV 13	351 000	1944
1945	89.1 AT 03 00 MST ON JUN 22	82.9 ON JUL 2	5.07 ON APR 30	486 000	1945
1946	87.7 AT 04 00 MST ON MAY 29	86.5 ON MAY 29	5.34 ON NOV 3	520 000	1946
1947	81.3E AT 14 00 MST ON SEP 5	50.1 ON AUG 6	0.8238 ON AUG 10	543 000	1947
1948	180 AT 10 50 MST ON MAY 24	142 ON MAY 24	0.510 ON APR 18	551 000	1948
1949	---	---	---	---	1949
1950	109 ON JUN 16	89.9 ON JUN 18	---	---	1950
1951	135 AT 16 30 MST ON JUN 15	101 ON JUN 15	---	---	1951
1952	85.5 AT 15 00 MST ON MAY 28	33.7 ON JUL 3	0.765 ON MAY 11	---	1952
1953	---	85.2 ON JUN 13	0.905 ON JAN 17	478 000	1953
1954	---	101 ON JUN 15	0.283 ON JAN 31	577 000	1954
1955	86.0 AT 16 00 MST ON JUN 25	54.9 ON JUN 24	0 ON APR 30	386 000	1955
1956	---	32.8 ON JUL 14	0.283 ON APR 5	489 000	1956
1957	---	33.7 ON APR 24	0.565 ON MAY 28	387 000	1957
1958	---	35.4 ON APR 2	0.283 ON APR 14	480 000	1958
1959	48.4 AT 16 00 MST ON MAY 22	34.3 ON FEB 7	0.708 ON MAR 8	425 000	1959
1960	---	32.0 ON JUL 21	0.283 ON MAR 28	410 000	1960
1961	---	82.6 ON JUN 8	0.283 ON APR 15	505 000	1961
1962	---	33.7 ON FEB 18	---	---	1962
				485 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

KEG RIVER AT HIGHWAY NO. 35 - STATION NO. 07HF002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	---	---	---	---	---	0.675	0.589	0.672	0.305	0.092	---	1971
1972	0.027	0.009	0.011	2.66	20.5	1.84	5.16	0.653	0.112	0.514	0.508	0.087	3.94	1972
1973	0.057	0.012	0.015	6.95	12.1	7.41	1.27	5.11	1.42	0.867	0.200	0.100	4.36	1973
1974	0.053	0.039	0.035	12.4	13.4	3.76	2.08	1.03	0.558	0.538	0.178	0.035	4.21	1974
1975	0.004	0	0	2.89	6.85	3.90	1.82	0.834	1.98	0.290	0.147	0.081	2.29	1975
1976	0.029	0	0	4.42	2.01	7.70	6.73	5.68	1.61	2.56	0.806	0.136	3.83	1976
1977	0.089	0.127	0.112	3.92	6.49	17.7	2.88	0.488	0.204	0.281	0.156	0.058	3.97	1977
1978	0.005	0	0	1.94	10.3	2.33	0.414	4.49	8.93	3.63	0.849	0.180	4.00	1978
1979	0.059	0.017	0.037	1.75	18.5	14.5	5.42	0.850	0.397	0.238	---	---	5.18	1979
1980	---	---	0.003	0.781	1.29	0.984	0.673	0.307	0.437	0.450	---	---	0.615	1980
1981	---	---	0.109	3.13	10.0	1.16	0.558	0.157	0.008	0.075	---	---	1.91	1981
1982	---	---	0	1.85	7.40	0.410	0.080	0.885	0.163	0.112	---	---	1.37	1982
1983	---	---	0.007	3.70	3.77	2.83	4.20	0.958	0.792	0.390	---	---	2.05	1983
1984	---	---	0.019	0.884	4.50	3.66	7.52	0.449	1.87	0.917	---	---	2.48	1984
1985	---	---	0.221	3.60	9.48	1.04	0.453	0.227	0.987	1.36	---	---	2.17	1985
1986	---	---	0.020	2.45	5.56	3.00	2.63	0.591	0.113	0.429	---	---	1.85	1986
MEAN	0.040	0.026	0.039	3.55	8.80	4.79	2.79	1.45	1.26	0.820	0.394	0.096	2.95	MEAN

LOCATION - LAT 57 44 40 N LONG 117 37 20 W
DRAINAGE AREA, 667 km^2
NATURAL FLOW

KEG RIVER AT HIGHWAY NO 35 - STATION NO 07MF002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	---	---	---	---	1971
1972	48.4 AT 21:00 MST ON MAY 11	47.9 ON MAY 11	0.003B ON MAR 1	83 400	1972
1973	42.5 AT 10:30 MST ON JUN 18	41.3 ON JUN 18	0.001B ON MAR 1	92 300	1973
1974	56.9 AT 20:00 MST ON APR 27	54.1 ON APR 27	0.025B ON MAR 11	89 100	1974
1975	27.0 AT 01:00 MST ON JUN 30	24.0 ON JUN 29	0 B ON MAR 1 *	48 400	1975
1976	34.5 AT 11:00 MST ON JUN 29	34.5 ON JUN 28	0 B ON MAR 1	81 100	1976
1977	103 AT 13:00 MST ON JUN 4 *	85.5 ON JUN 4 *	0.085B ON MAR 24	84 100	1977
1978	36.0 AT 15:30 MST ON MAY 1	34.3 ON MAY 1	0 B ON MAR 1	84 700	1978
1979	41.2 AT 21:00 MST ON MAY 29	39.4 ON JUN 2	0.020B ON MAR 1	110 000	1979
1980	7.55 AT 12:00 MST ON MAY 26	6.85 ON MAY 26	0 B ON MAR 1	13 000	1980
1981	40.0 AT 20:00 MST ON MAY 3	38.5 ON MAY 3	0 B ON MAR 1	40 400	1981
1982	23.5 AT 05:30 MST ON MAY 5	21.1 ON MAY 5	0 B ON MAR 1	28 900	1982
1983	16.5 A AT 18:30 MST ON JUL 16	15.2 A ON JUL 17	0.005B ON MAR 1	43 500	1983
1984	30.4 AT 11:30 MST ON JUL 2	29.9 ON JUL 2	0 B ON MAR 1	52 800	1984
1985	28.1 AT 03:00 MST ON MAY 6	27.8 ON MAY 6	0.005B ON MAR 6	46 000	1985
1986	15.4 AT 20:00 MST ON JUN 22	14.0 ON JUN 23	0.010B ON MAR 1	39 200	1986
				82 400	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

KENNEDY COULEE NEAR ACADIA VALLEY - STATION NO. 05CK006

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	0.088	0.089	0	0	0	0	0	0	---	---	0.021	1982
1983	---	---	0.022	0	0	0	0	0	0	0	---	---	0.003	1983
1984	---	---	0	0	0	0	0	0	0	0	---	---	0	1984
1985	---	---	0.368	0.902	0	0	0	0	0	0	---	---	0.157	1985
1986	---	---	0	0	0	0	0	0	0	0	---	---	0	1986
MEAN	---	---	0.098	0.194	0	0	0	0	0	0	---	---	0.036	MEAN

LOCATION - LAT 51 05 45 N, LONG 110 15 31 W DRAINAGE AREA, 939 km^2, NATURAL FLOW

KENNEDY COULEE NEAR ACADIA VALLEY - STATION NO. 05CK006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	---	0.728 ON MAR 29	0B ON MAR 1 *	440	1982
1983	---	0.4798 ON MAR 14	0B ON MAR 1	59.8	1983
1984	---	0 B ON MAR 1	0B ON MAR 1	0	1984
1985	---	9.80 B ON APR 2 *	0B ON MAR 1	3 330	1985
1986	---	0.002 ON MAR 1	0 ON MAR 4	0.35	1986
				755	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

KETCHUM CREEK NEAR ORION - STATION NO 05AF007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	0.002	0	0.148	0.086	0	0	---	---	---	1915
1916	---	---	0.512	0.018	0.085	0.156	0.112	0	0.009	0.006	---	---	0.112	1916
1917	---	---	0	2.33	0.011	0	0	0	0	0	---	---	0.286	1917
1918	---	---	1.83	0.142	0.002	0	0	0	0	0	---	---	0.262	1918
1919	---	---	0	0.207	0	0	0	0	0	0	---	---	0.025	1919
1920	---	---	0.441	0.215	0.085	0	0	0	0	0	---	---	0.093	1920
1921	---	---	0.155	0.188	0.241	0.006	0	0	0	0	---	---	0.073	1921
1922	---	---	0.006	1.80	0.022	0	0	0	0	0	---	---	0.224	1922
1923	---	---	0.354	0.181	0.008	0.199	0.013	0	0	0	---	---	0.092	1923
1924	---	---	0	0	0	0	0	0	0	0	---	---	0	1924
1925	---	---	0.203	0.120	0	0	0	0	0	0	---	---	0.040	1925
1936	---	---	0	0.455	0	0	0	0	0	0	---	---	0.056	1936
MEAN	---	---	0.328	0.511	0.036	0.031	0.023	0.007	0.001	0.001	---	---	0.115	MEAN

LOCATION - LAT 49 20 00 N, LONG 110 50 00 W DRAINAGE AREA, 182 km^2, NATURAL FLOW

KETCHUM CREEK NEAR ORION STATION NO 05AF007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	---			
1916	---	3 99 ON MAR 11	0 ON MAY 1 *	---	1915
1917	---	10 4 ON APR 9	0 ON MAR 5	2 380	1916
1918	---	11 1 ON MAR 25 *	0 ON MAR 1	6 060	1917
1919	---	1 87 ON APR 19	0 ON MAR 1	5 540	1918
			0 ON MAR 1	535	1919
1920	---	2 528 ON MAR 22	0 ON MAR 1	1 960	1920
1921	---	1 93 ON MAY 9	0 ON MAR 10	540	1921
1922	---	8 448 ON APR 3	0 ON MAR 1	4 740	1922
1923	---	1 53 ON JUN 22	0 8 ON MAR 1	1 940	1923
1924	---	0 8 ON MAR 1	0 8 ON MAR 1	0	1924
1925	---	2 04 ON MAR 29	0 8 ON MAR 1	855	1925
1926	---	2 72E ON APR 12	0 ON MAR 1	1 180	1926
				2 430	MEAN

8 ICE CONDITIONS
E ESTIMATED
* EXTREME RECORDED FOR THE PERIOD OF RECORD

KILLARNEY LAKE TRIBUTARY NEAR CHAUVIN - STATION NO 05GA010

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	---	---	0 006	0 045	0 014	0 013	0 011	---	---	---	1982
1983	---	---	0 012	0 694	0 016	0 002	0 019	0 002	0 002	0 005	---	---	0 092	1983
1984	---	---	0 340	0 039	0 002	0 016	0 002	0 001	0 001	0 001	---	---	0 051	1984
1985	---	---	0 147	1 18	0 081	0 003	0 002	0 001	0 001	0 003	---	---	0 174	1985
1986	---	---	0 104	0 063	0 117	0 006	0 004	0 005	0 009	0 008	---	---	0 040	1986
MEAN	---	---	0 151	0 494	0 054	0 007	0 015	0 005	0 005	0 006	---	---	0 089	MEAN

LOCATION LAT 52 33 47 N LONG 110 08 52 W
DRAINAGE AREA 1 010 km^2
NATURAL FLOW

KILLARNEY LAKE TRIBUTARY NEAR CHAUVIN - STATION NO 05GA010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	---	0 249 ON JUL 4	---	---	1982
1983	5 07 AT 10 58 MST ON APR 5	3 77 ON APR 5	0 8 ON MAR 1 *	1 980	1983
1984	3 80 AT 11 22 MST ON MAR 26	2 41 ON MAR 26	0 001 ON MAY 13	1 070	1984
1985	8 84 AT 09 11 MST ON APR 2 *	7 76 ON APR 2 *	0 8 ON MAR 1	3 700	1985
1986	---	0 404 ON MAR 30	0 8 ON MAR 6	837	1986
				1 890	MEAN

8 - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

KIRKPATRICK LAKE TRIBUTARY NEAR SPONDIN - STATION NO 05GA009

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	---	---	0	0	0	0	0	---	---	---	1982
1983	---	---	0	0	0	0	0 047	0	0	0	---	---	0 008	1983
1984	---	---	0 049	0 025	0	0	0	0	0 049	0 002	---	---	0 018	1984
1985	---	---	0	2 13	0 203	0 003	0	0	0	0	---	---	0 287	1985
1986	---	---	0 192	0	0	0	0	0	0	0	---	---	0 024	1986
MEAN	---	---	0 060	0 539	0 051	0 001	0 009	0	0 010	0	---	---	0 083	MEAN

LOCATION - LAT 51 58 24 N LONG 111 28 47 W
DRAINAGE AREA 222 km^2
NATURAL FLOW

KIRKPATRICK LAKE TRIBUTARY NEAR SPONDIN - STATION NO 05GA009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	---	0 ON JUN 1			
1983	---	0 300E ON JUL 10	0 ON JUN 1 *	---	1982
1984	0 706 AT 10 42 MST ON MAR 28	0 580 ON SEP 23	0 8 ON MAR 1	127	1983
1985	---	9 15 8 ON APR 2 *	0 8 ON MAR 1	331	1984
1986	0 736 AT 11 04 MST ON MAR 15 *	0 712 ON MAR 15	0 ON MAR 1	6 080	1985
				514	1986
				1 760	MEAN

8 - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

KLESKUN HILLS MAIN DRAIN NEAR GRANDE PRAIRIE - STATION NO. 07GE002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	0.027	0.946	0.181	0	0	0.001	[illegible] 003	0	---	---	0.143	1966
1967	---	---	0	0.684	0.100	0	0	0.002	0	0	---	---	0.097	1967
1968	---	---	0.582	0.280	0.016	0.188	0	0	0	0	---	---	0.133	1968
1969	---	---	0	0.602	0.004	0	0	0	0.002	0	---	---	0.071	1969
1970	---	---	0.286	0.336	0	0	0	0	0	0	---	---	0.071	1970
1971	---	---	0	0.347	0.001	0.426	0.193	0	0	0	---	---	0.119	1971
1972	---	---	0.110	0.976	0.022	0	0	0	0	0	---	---	0.136	1972
1973	---	---	0.004	0.785	0.004	0.003	0	0.010	0.002	0.003	---	---	0.095	1973
1974	---	---	B	2.02	0.129	0	0	0	0	0	---	---	0.263	1974
1975	---	---	0	0.503	0.003	0.001	0	0	0	0	---	---	0.062	1975
1976	---	---	0.002	0.838	0	0.114	0.025	0.595	0.014	0	---	---	0.197	1976
1977	---	---	0.012	0.295	0.016	0.801	0.005	0	0	0	---	---	0.040	1977
1978	---	---	0.107	0.039	0.001	0	0	0	0	0	---	---	0.018	1978
1979	---	---	0.007	0.760	0.044	0	0.001	0	0	0	---	---	0.100	1979
1980	---	---	0.020	0.086	0	0	0	0	0.004	0	---	---	0.014	1980
1981	---	---	0.861	0.119	0	0	0	0	0	0	---	---	0.126	1981
1982	---	---	0	[illegible] 32	0.091	0	0.036	[illegible] 239	0.001	0	---	---	0.124	1982
1983	---	---	0.005	0.447	[illegible] 002	0.446	0.222	0.002	0	0	---	---	0.139	1983
1984	---	---	0.015	0.002	[illegible] 062	[illegible] 030	0.801	0	0.005	0.001	---	---	0.014	1984
1985	---	---	0.605	0.243	0.001	0	0	0	0.001	0.002	---	---	0.107	1985
1986	---	---	0.186	0.049	0.034	0	0.001	0	0	0	---	---	0.034	1986
MEAN	---	---	0.136	0.523	0.034	0.058	0.023	0.040	0.002	0	---	---	0.101	MEAN

LOCATION - LAT 55 13 29 N DRAINAGE AREA 31.6 km²
LONG 118 27 37 W REGULATED

KLESKUN HILLS MAIN DRAIN NEAR GRANDE PRAIRIE - STATION NO. 07GE002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	5.66 AT 17 30 MST ON APR 5	3.71 [illegible] APR 5	0 ON MAR 1 *	3 020	1966
1967	9.71 AT 17 00 MST ON APR 26	5.21 ON APR 26	08 ON MAR 1	2 040	1967
1968	6.34 ON JUN 13	4.22 ON JUN 13	06 ON MAR 17	2 820	1968
1969	10.3 B AT 18 00 MST ON APR 12	4.33 B ON APR 12	08 ON MAR 1	1 580	1969
1970	3.82 B AT 19 30 MST ON MAR 27	1.93 B ON APR 1	08 ON MAR 1	1 640	1970
1971	7.76 AT 11 00 MST ON JUN 26	3.88 ON JUL 11	08 ON MAR 1	2 530	1971
1972	9.06 AT 17 30 MST ON APR 19	3.88 ON APR 19	08 ON MAR 1	2 880	1972
1973	11.2 A AT 18 00 MST ON APR 10	5.17 A ON APR 10	08 ON MAR 1	2 100	1973
1974	14.5 AT 17 00 MST ON APR 20	8.38 ON APR 20 *	08 ON MAR 1	5 570	1974
1975	14.7 B AT 16 30 MST ON APR 18 *	6.06 B ON APR 18	08 ON MAR 1	1 310	1975
1976	14.0 AT 12 30 MST ON AUG 17	6.31 ON AUG 17	08 ON MAR 1	4 170	1976
1977	4.90 AT 15 30 MST ON APR 4	2.53 ON APR 4	0 ON APR 28	854	1977
1978	0.814A AT 17 30 MST ON MAR 21	0.473A ON MAR 21	0 ON MAY 17	390	1978
1979	7.41 A AT 18 30 MST ON APR 26	3.95 ON APR 27	08 ON MAR 1	2 110	1979
1980	1.04 AT 17 30 MST ON APR 1	0.431 ON APR 3	08 ON MAR 1	288	1980
1981	4.37 B AT 17 00 MST ON MAR 29	2.30 B ON MAR 16	08 ON MAR 1	2 670	1981
1982	9.36 AT 17 30 MST ON APR 26	5.05 ON APR 27	08 ON MAR 1	2 620	1982
1983	8.66 AT 20 00 MST ON JUN 24	4.60 ON APR 7	08 ON MAR 1	2 940	1983
1984	0.825 AT 23 30 MST ON MAY 16	0.575 ON MAY 17	0 ON JUN 26	306	1984
1985	12.4 B ON MAR 19	5.85 B ON MAR 19	0 ON MAY 12	2 260	1985
1986	2.54 B AT 18 00 MST ON MAR 27	1.02 B ON MAR 27	0 ON APR 27	719	1986
				2 130	MEAN

A - MANUAL GAUGE B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
(SEE REFERENCE INDEX)

KNEEHILLS CREEK NEAR DRUMHELLER - STATION NO 05CE002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1921	---	---	1.03	5.47	0.883	0.139	0.112	0.188	0.027	0.042	---	---	0.971	1921
1922	---	---	0.637	1.59	0.283	0.081	0.135	0.101	0.038	0.025	---	---	0.355	1922
1923	---	---	0.172	0.884	0.385	2.11	0.341	0.196	0.008	0.007	---	---	0.480	1923
1924	---	---	0.035	0.470	0.173	0.077	0.088	0.341	0.004	0.038	---	---	0.152	1924
1925	---	---	2.71	14.8	0.459	0.375	0.333	0.003	0.132	0.111	---	---	2.33	1925
1926	---	---	7.21	0.737	0.163	0.166	0.047	0.119	0.561	0.349	---	---	1.16	1926
1927	---	---	7.12	11.2	1.40	0.862	0.479	0.228	0.563	0.347	---	---	2.72	1927
1928	---	---	11.4	3.30	0.703	4.36	1.67	0.211	0.074	0.123	---	---	2.73	1928
1929	---	---	0.217	0.334	0.409	0.092	0.003	0	0	0	---	---	0.132	1929
1930	---	3.06	1.38	0.790	0.131	0.062	0.007	0.042	0.005	0.021	---	---	0.306	1930
1931	---	---	0.083	---	---	---	---	---	---	---	---	---	---	1931
1935	---	---	---	---	---	---	---	---	0	0	---	---	---	1935
1936	---	---	3.04	13.5	0.998	0.404	---	---	---	---	---	---	---	1936
1957	---	---	---	---	0.850	0.197	0.087	0.820	0.541	0.119	---	---	---	1957
1958	---	---	---	---	0.855	0.452	0.368	0.005	0.045	0.015	---	---	---	1958
1959	---	---	1.61	0.343	0.188	0.220	0.162	0.250	0.085	0.056	---	---	0.351	1959
1960	---	---	13.0	7.98	0.613	0.186	0.085	0.013	0	0	---	---	2.74	1960
1961	---	---	2.49	0.397	0.982	0.074	0.005	0.013	0	0	---	---	0.500	1961
1962	---	---	2.31	0.485	0.067	0.056	0.351	0.085	0.169	0.009	---	---	0.443	1962
1963	---	---	4.14	0.988	0.298	0.298	0.158	0.036	0.026	0	---	---	0.747	1963
1964	---	---	0.039	0.935	0.486	0.134	0.134	0	0.018	0.002	---	---	0.217	1964
1965	---	---	3.84	13.7	0.862	0.706	1.56	0.333	0.397	0.208	---	---	2.68	1965
1966	---	---	14.9	7.47	0.921	1.01	2.33	0.436	0.273	0.087	---	---	3.44	1966
1967	---	---	0.470	16.2	7.98	0.780	0.103	0	0	0.006	---	---	2.91	1967
1968	---	---	0.488	0.213	0.067	0.207	0.262	0.173	0.356	0.124	---	---	0.236	1968
1969	---	---	0.187	25.3	0.851	0.188	0.303	0.085	0.115	0.095	---	---	3.29	1969
1970	---	---	1.58	3.36	0.470	3.51	---	0.056	0.013	0.071	---	---	---	1970
1971	---	---	0.315	38.0	1.87	0.495	0.170	0.105	0.150	0.056	---	---	5.05	1971
1972	---	---	1.24	1.86	0.352	2.05	0.575	0.132	0.120	0.130	---	---	0.775	1972
1973	---	---	4.48	10.2	---	---	---	---	---	---	---	---	---	1973
1974	---	---	0.005	28.2	7.21	1.07	0.384	0.244	0.136	0.107	---	---	4.81	1974
1975	---	---	0	3.99	---	0.337	0.073	0.039	0.022	0.031	---	---	---	1975
1976	---	---	2.20	1.22	0.087	0.060	0.020	0.179	0.009	0	---	---	0.672	1976
1977	---	---	0.104	0.814	0.208	0.052	0.021	0.022	0.026	0.017	---	---	0.156	1977
1978	---	---	2.25	3.04	0.310	0.501	0.058	0.072	0.551	0.077	---	---	0.851	1978
1979	---	---	1.88	0.825	0.290	0.040	0.014	0.014	0.002	0	---	---	0.382	1979
1980	---	---	0.050	3.36	0.158	0.233	0.098	0.174	0.002	0.017	---	---	0.505	1980
1981	---	---	1.05	0.287	1.51	0.063	0.036	0.031	0.009	0.029	---	---	0.381	1981
1982	---	---	1.33	3.80	0.350	0.203	0.140	0.023	0.029	0.032	---	---	0.721	1982
1983	---	---	0.300	0.917	0.201	0.011	0.126	0.043	0	0	---	---	0.198	1983
1984	---	---	0.221	0.085	0.015	0.034	0.025	0.010	0.112	0.013	---	---	0.064	1984
1985	---	---	2.55	1.02	0.186	0.001	0	0.038	0.045	0.026	---	---	0.484	1985
1986	---	---	1.78	0.167	1.22	0.180	0.334	0.138	0.440	1.21	---	---	0.683	1986
MEAN	---	3.06	2.49	5.79	0.893	0.546	0.290	0.127	0.127	0.090	---	---	1.25	MEAN

LOCATION - LAT 51 28 40 N DRAINAGE AREA 2 430 km²
LONG 112 51 30 W NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1930

KNEEHILLS CREEK NEAR DRUMHELLER - STATION NO. 05CE002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1921	---	17.1 ON APR 15	0.005 ON SEP 6	20 600	1921
1922	---	8.810 ON APR 2	0 B ON MAR 1 *	7 510	1922
1923	24.9 AT 23:00 MST ON JUN 1	8.10 ON JUN 1	0.0038 ON MAR 15	10 200	1923
1924	6.91 AT 17:00 MST ON AUG 14	1.70 ON AUG 14	0 B ON MAR 1	3 220	1924
1925	72.5 AT 12:00 MST ON APR 7	55.4 ON APR 7	0 B ON MAR 1	49 200	1925
1926	---	25.5 ON MAR 19	0 ON JUL 21	24 900	1926
1927	---	27.0 ON APR 7	0 B ON MAR 1	57 900	1927
1928	---	53.5 B ON MAR 27	0 B ON MAR 1	57 900	1928
1929	---	1.12 ON MAY 14	0 B ON MAR 1	2 800	1929
1930	---	7.62 ON MAR 31	0 On JUN 16	5 480	1930
1931	---	---	0 B ON MAR 1	---	1931
1935	---	---	0 ON SEP 1	---	1935
1936	---	35.1 B ON APR 14	0 B ON APR 4	---	1936
1957	---	15.9 ON AUG 11	---	---	1957
1958	---	---	0 ON AUG 10	---	1958
1959	7.82 AT 22:00 MST ON AUG 17	3.940 ON MAR 16	0.011 ON JUL 19	7 620	1959
1960	---	58.5 B ON MAR 26	0 B ON MAR 1	58 000	1960
1961	50.7 AT 00:20 MST ON MAY 30	18.8 ON MAY 30	0 ON MAR 1	10 600	1961
1962	12.8 AT 21:30 MST ON JUL 27	11.9 B ON MAR 19	0 B ON MAR 1	9 390	1962
1963	---	16.8 ON MAR 24	0 ON AUG 21	15 800	1963
1964	---	5.078 ON APR 8	0 B ON MAR 1	4 580	1964
1965	---	40.5 A ON APR 17	0 B ON MAR 1	55 700	1965
1966	120 AT 00:05 MST ON MAR 29	87.5 ON MAR 29	0 B ON MAR 1	72 800	1966
1967	78.2 AT 12:00 MST ON APR 14	38.2 ON APR 15	0 B ON MAR 1	61 700	1967
1968	---	4.25 ON SEP 22	0 ON JUL 14	6 990	1968
1969	---	123 ON APR 5 *	0 B ON MAR 1	69 600	1969
1970	---	14.8 ON JUN 16	0 B ON MAR 1	---	1970
1971	133 A AT 00:00 MST ON APR 9 *	116 ON APR 10	0 B ON MAR 1	107 000	1971
1972	23.4 AT 06:30 MST ON JUN 12	16.0 ON JUN 12	0 B ON MAR 1	16 400	1972
1973	28.1 AT 23:40 MST ON APR 6	24.3 ON APR 5	0 B ON MAR 1	---	1973
1974	124 B AT 21:00 MST ON APR 14	85.8 ON APR 15	0 B ON MAR 1	97 600	1974
1975	---	14.0 B ON APR 21	0 B ON MAR 1	---	1975
1976	21.8 AT 00:30 MST ON AUG 15	12.2 B ON MAR 23	0 ON SEP 20	9 980	1976
1977	6.37 AT 18:00 MST ON APR 8	4.42 ON APR 8	0 ON JUN 26	3 310	1977
1978	21.3 B AT 03:00 MST ON MAR 27	13.0 A ON MAR 29	0 B ON MAR 1	16 000	1978
1979	9.538 AT 16:00 MST ON MAR 7	8.869 ON MAR 7	0 B ON MAR 1	8 080	1979
1980	14.0 AT 00:30 MST ON APR 8	9.63 ON APR 9	0 B ON MAR 1	10 700	1980
1981	8.77 AT 13:15 MST ON MAY 9	7.31 ON MAY 10	0 ON AUG 15	8 080	1981
1982	14.6 AT 04:23 MST ON APR 18	13.7 ON APR 18	0 B ON MAR 1	15 500	1982
1983	---	3.720 ON APR 3	0 ON JUN 7	6 200	1983
1984	2.12 AT 22:56 MST ON SEP 6	1.12 ON SEP 21	0 B ON MAR 1	1 360	1984
1985	---	10.1 B ON MAR 16	0 B ON MAR 1	10 200	1985
1986	---	6.000 ON MAR 5	0.0076 ON AUG 28	14 600	1986
				25 600	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

KNEEHILLS CREEK NEAR LINDEN - STATION NO. 05CE016

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	0	1.83	1.82	0.167	---	---	---	---	---	---	---	1967
1968	---	---	0.304	0.050	0.018	0.036	0.081	0.051	0.005	0.018	---	---	---	1968
1969	---	---	0	5.59	0.212	0.043	0.020	0.002	0.037	0.013	---	---	---	1969
MEAN	---	---	0.101	2.84	0.683	0.076	0.054	0.042	0.021	0.016	---	---	---	MEAN

LOCATION - LAT 51 26 30 N, LONG 113 30 50 W
DRAINAGE AREA 642 km^2
NATURAL FLOW

KNEEHILLS CREEK NEAR LINDEN - STATION NO. 05CE016

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	7.46 ON APR 29	00 ON MAR 1 *	---	1967
1968	---	1.810 ON MAR 8	00 ON FEB 28	---	1968
1969	40.88 AT 17:30 MST ON APR 5 *	37.9 B ON APR 6 *	00 ON MAR 1	---	1969
				---	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

KRAWCHUK DRAINAGE NEAR MCLENNAN - STATION NO. 07HA902

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	0	0.181	0.013	0	0	0.002	0	0	---	---	0.028	1982
1983	---	---	---	0.022	0.003	---	---	---	0	0	---	---	---	1983
1984	---	---	---	0.005	0.139	0.069	0.019	0	0	0	---	---	0.034	1984
1985	---	---	---	0.266	0.001	0	0	0	0	---	---	---	---	1985
1986	---	---	---	0.134	0.015	0.001	0.001	0	0	0	---	---	0.021	1986
MEAN	---	---	0	0.122	0.032	0.023	0.004	0.001	0	0	---	---	0.028	MEAN

LOCATION - LAT 59 57 00 N, LONG 117 02 00 W
DRAINAGE AREA 13.0 km^2
NATURAL FLOW

GRAMINIA DRAINAGE NEAR MCLENNAN - STATION NO 07HA902

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	2.09 AT 10 04 MST ON APR 25 *	1.81 ON APR 25 *	0B ON APR 1 *	504	1982
1983	0.359 AT 05 42 MST ON APR 13	0.155 ON APR 13	0 ON JUN 11	---	1983
1984	1.80 AT 17 50 MST ON MAY 21	1.44 ON MAY 21	0 ON APR 5	828	1984
1985	2.60 B AT 14 52 MST ON APR 3	---	---	---	1985
1986	---	0.4828 ON APR 1	0 ON MAY 2	391	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		509	MEAN

KYISKAP CREEK NEAR GRANUM - STATION NO 05AB038

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1977	---	---	---	---	---	0	0	0	0	0	---	---	---	1977
1978	---	---	1.86	0.360	0.227	0.175	0.124	0.025	0.114	0.005	---	---	0.348	1978
1979	---	---	0.171	0.348	0.296	0.083	0.018	0	0	0	---	---	0.102	1979
1980	---	---	0.116	0.080	0.078	0.032	0	0	0	0	---	---	0.037	1980
1981	---	---	0.001	0	0.479	0.205	0.048	0.009	0.001	0.001	---	---	0.083	1981
1982	---	---	0.034	0.084	0.002	0.094	0.001	0	0	0	---	---	0.026	1982
1983	---	---	0	0	0	0	0	0	0	0	---	---	0	1983
1984	---	---	0	0	0	0	0	0	0	0	---	---	0	1984
1985	---	---	0	0	0	0	0	0	0.135	0	---	---	0.017	1985
1986	---	---	0.039	0.004	0.007	0.001	0	0	0.030	0.003	---	---	0.009	1986
MEAN	---	---	0.343	0.074	0.121	0.059	0.018	0.003	0.028	0.001	---	---	0.070	MEAN

LOCATION - LAT 49 48 55 N, LONG 113 35 35 W
DRAINAGE AREA 191 km^2
NATURAL FLOW

KYISKAP CREEK NEAR GRANUM - STATION NO 05AB038

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1977	---	---	0 ON JUN 1 *	---	1977
1978	11.2 A AT 13 00 MST ON MAR 18 *	10.0 A ON MAR 18 *	0E ON MAR 1	2 380	1978
1979	0.931 AT 14 00 MST ON MAY 8	0.821 ON MAY 8	0B ON MAR 1	2 150	1979
1980	1.10 AT 03 05 MST ON MAY 27	0.777 ON MAY 27	0B ON MAR 5	775	1980
1981	10.4 AT 07 50 MST ON MAY 16	7.82 ON MAY 16	0 ON MAR 11	1 970	1981
1982	1.79 AT 16 30 MST ON JUN 6	1.19 ON JUN 7	0B ON MAR 1	559	1982
1983	0.021 AT 18 30 MST ON JUL 19	0.003 ON JUL 19	0B ON MAR 1	0.52	1983
1984	---	0 ON MAR 1	0 ON MAR 1	0	1984
1985	6.83 AT 17 30 MST ON SEP 12	3.02 ON SEP 12	0B ON MAR 1	351	1985
1986	---	0.483 ON SEP 27	0 ON APR 5	194	1986
	A - MANUAL GAUGE (SEE REFERENCE INDEX)	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD	1 480	MEAN

L R I D - MONARCH BRANCH CANAL BELOW MONARCH HEADGATES - STATION NO 05AC028

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1977	---	---	---	---	6.16	5.28	7.08	---	---	1.14	---	---	---	1977
1978	---	---	---	---	---	0.939	5.06	2.85	0.820	0.835	---	---	---	1978
1979	---	---	---	---	---	7.37	9.41	2.61	0.784	1.11	---	---	---	1979
1980	---	---	---	---	0.003	3.88	3.32	8.84	2.38	1.39	1.29	---	---	2.98	1980
1981	---	---	---	---	---	0.870	2.17	7.26	2.75	2.89	1.84	---	---	---	1981
1982	---	---	---	---	---	0.887	5.26	8.42	4.78	2.78	0.097	---	---	---	1982
1983	---	---	---	---	---	1.51	10.5	7.07	4.90	2.83	0.446	---	---	---	1983
1984	---	---	---	---	---	9.45	8.94	7.78	2.76	1.33	0.447	---	---	---	1984
1985	---	---	---	---	---	2.88	10.5	7.95	1.95	0.883	0.248	---	---	---	1985
1986	---	---	---	---	---	0.43	11.2	8.80	3.43	1.83	0.286	---	---	---	1986
MEAN	---	---	---	---	0.003	2.58	6.85	7.73	3.16	1.66	0.784	---	---	2.98	MEAN

LOCATION - LAT 49 53 00 N, LONG 112 12 00 W
REGULATED

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

L.N.I.D. - MONARCH BRANCH CANAL BELOW MONARCH HEADGATES - STATION NO. 05AC028

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1977	---	---	---	---	1977
1978	---	8.33 ON JUL 17	0 ON JUN 1 *	---	1978
1979	---	12.8 ON JUL 17	0 ON JUN 1	---	1979
1980	---	12.2 ON JUL 10	0 ON APR 1	55 000	1980
1981	---	12.8 ON JUL 10	0 ON OCT 26	---	1981
1982	---	12.2 ON JUL 23	0 ON MAY 1	---	1982
1983	---	14.0 ON JUN 18	0 ON MAY 1	---	1983
1984	16.4 AT 09 10 MST ON MAY 25 *	13.6 ON JUL 7	0 ON MAY 1	---	1984
1985	---	14.6 ON JUL 4	0 ON MAY 1	---	1985
1986	---	15.4 ON JUN 29 *	0 ON MAY 1	---	1986
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		55 000	MEAN

L.N.I.D.CANAL AT DROP #6 - STATION NO. 05AC918

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1985	---	---	---	7.94	12.1	6.87	5.37	9.32	9.41	2.47	---	---	7.83	1985
MEAN	---	---	---	7.94	12.1	6.87	5.37	9.32	9.41	2.47	---	---	7.83	MEAN

LOCATION - LAT 49 58 30 N
LONG 113 05 00 W REGULATED

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

L.N.I.D.CANAL AT DROP #6 - STATION NO. 05AC918

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1985	---	19.9 ON APR 26 *	0 ON APR 1 *	141 000	1985
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		141 000	MEAN

LA BICHE RIVER AT HIGHWAY NO. 63 - STATION NO. 07CA011

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	0.462	0.738	3.41	8.14	2.80	---	---	---	---	1.73	1.24	---	1982
1983	0.841	0.810	0.818	5.47	5.83	2.94	17.1	4.94	8.28	8.71	9.21	4.84	5.67	1983
1984	3.85	3.95	6.70	10.6	8.21	6.29	2.97	2.20	2.85	3.82	2.77	3.22	4.76	1984
1985	3.30	3.04	3.95	15.0	15.2	4.14	2.19	2.84	4.34	6.93	5.25	3.80	5.99	1985
1986	3.52	3.30	6.98	12.1	9.29	3.33	4.11	2.79	4.02	6.41	5.22	3.86	5.42	1986
MEAN	2.88	2.31	3.84	9.52	9.53	3.90	6.59	3.19	4.30	6.47	4.84	3.31	5.46	MEAN

LOCATION - LAT 54 56 10 N
LONG 112 30 10 W

DRAINAGE AREA 4 860 km^2
NATURAL FLOW

LA BICHE RIVER AT HIGHWAY NO. 63 - STATION NO. 07CA011

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	---	---	---	---	1982
1983	86.0 AT 08 38 MST ON JUL 22 *	83.0 ON JUL 22 *	0.7879 ON MAR 8 *	179 000	1983
1984	---	13.38 ON MAR 28	1.81 ON AUG 30	150 000	1984
1985	22.88 AT 14 27 MST ON APR 6	20.08 ON APR 6	1.98 ON JUL 21	189 000	1985
1986	15.58 AT 21 12 MST ON MAR 31	15.08 ON APR 2	1.26 ON JUL 7	171 000	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		172 000	MEAN

LAFOND CREEK NEAR RED EARTH CREEK - STATION NO 07JC001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	0 015	4 16	1 40	0 876	4 26	1 56	0 262	0 436	---	---	1 64	1976
1977	---	---	0 025	1 47	0 856	2 74	0 527	0 085	0 057	0 565	---	---	0 783	1977
1978	---	---	0 017	1 24	4 88	1 02	0 074	0 863	5 33	2 00	---	---	1 90	1978
1979	---	---	0 009	1 12	9 14	8 33	2 08	0 074	0	0	---	---	2 99	1979
1980	---	---	0 002	0 622	0 131	0 057	0 013	0 434	1 25	0 653	---	---	0 417	1980
1981	---	---	0 018	2 23	3 27	0 931	0 023	0 013	0 091	0 008	---	---	0 809	1981
1982	---	---	0	1 18	2 85	0 206	0 008	0 013	0 021	0 060	---	---	0 556	1982
1983	---	---	0 006	3 29	1 79	0 772	3 09	3 29	0 540	0 582	---	---	1 67	1983
1984	---	---	0 006	2 16	5 90	4 53	3 14	0 197	0 104	0 158	---	---	2 02	1984
1985	---	---	0 009	2 11	3 56	0 203	0 023	0 016	0 047	0 652	---	---	0 834	1985
1986	---	---	0 017	1 35	2 93	3 22	2 10	0 504	0 044	0 089	---	---	1 40	1986
MEAN	---	---	0 011	1 90	3 42	2 09	1 39	0 644	0 595	0 495	---	---	1 33	MEAN

LOCATION - LAT 57 04 40 N LONG 115 05 30 W DRAINAGE AREA 491 km² NATURAL FLOW

LAFOND CREEK NEAR RED EARTH CREEK - STATION NO 07JC001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1976	---	10 1 A ON APR 16	0 0148 ON MAR 1	34 500	1976
1977	9 83 AT 13 30 MST ON JUN 7	5 60 ON JUN 7	0 0148 ON MAR 27	16 600	1977
1978	10 8 AT 15 30 MST ON MAY 3	10 5 ON MAY 3	0 0118 ON MAR 25	40 100	1978
1979	16 9 AT 13 00 MST ON MAY 31	15 4 ON MAY 31	0 ON SEP 5 *	94 800	1979
1980	2 12 AT 12 30 MST ON SEP 25	2 03 ON SEP 25	0 B ON MAR 1	8 830	1980
1981	12 5 AT 04 00 MST ON APR 29	12 1 ON APR 29	0 ON SEP 5	17 100	1981
1982	8 20 AT 10 15 MST ON APR 27	5 448 ON APR 28	0 B ON MAR 1	11 800	1982
1983	30 2 ON JUL 28 *	26 5 E ON JUL 29 *	0 0028 ON MAR 1	35 400	1983
1984	18 2 AT 11 30 MST ON MAY 22	17 8 ON MAY 22	0 B ON MAR 1	42 900	1984
1985	8 86 AT 14 00 MST ON MAY 7	8 81 ON MAY 7	0 0078 ON MAR 11	17 600	1985
1986	20 6 AT 19 00 MST ON JUN 24	17 8 ON JUN 24	0 0028 ON MAR 10	29 700	1986
				28 100	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

LALBY CREEK NEAR GIROUXVILLE - STATION NO 07GJ005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1977	---	---	---	---	---	---	---	---	---	0 050	---	---	---	1977
1978	---	---	0 035	0 992	0 150	0 024	0 037	0 002	0	0	---	---	0 153	1978
1979	---	---	0	0 463	4 81	0 186	0 313	0 012	0	0	---	---	0 729	1979
1980	---	---	0	0 063	0 001	0	0	0	0	0	---	---	0 010	1980
1981	---	---	0 024	1 52	0 038	0	0	0	0	0	---	---	0 194	1981
1982	---	---	0	0 313	0 052	0 003	0	0 013	0	0 001	---	---	0 047	1982
1983	---	---	0	0 078	0 002	0 086	0 104	0 006	0 001	0	---	---	0 034	1983
1984	---	---	0 059	0 085	0 683	0 081	0 037	0	0 001	0 001	---	---	0 116	1984
1985	---	---	0 011	1 95	0 098	0 068	0 017	0 004	0 022	0 065	---	---	0 271	1985
1986	---	---	0 089	3 70	0 203	0 024	0 019	0 007	0	0	---	---	0 498	1986
MEAN	---	---	0 025	1 02	0 689	0 050	0 059	0 005	0 003	0 012	---	---	0 228	MEAN

LOCATION - LAT 55 47 20 N LONG 117 20 10 W DRAINAGE AREA 160 km² NATURAL FLOW

LALBY CREEK NEAR GIROUXVILLE - STATION NO 07GJ005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1977	---	---	---	---	1977
1978	4 16 B AT 09 00 MST ON APR 5	3 34 B ON APR 4	0 ON SEP 22 *	---	1978
1979	37 4 A AT 23 00 MST ON MAY 1 *	33 7 A ON MAY 1 *	0E ON MAR 1	3 240	1979
			0E ON MAR 1	15 500	
1980	0 4048 AT 20 30 MST ON APR 5	0 3078 ON APR 5	0E ON MAR 1	220	1980
1981	7 43 AT 09 00 MST ON APR 20	5 08 ON APR 20	0E ON MAR 1	4 100	1981
1982	6 37 AT 03 00 MST ON APR 27	4 24 ON APR 27	0E ON MAR 1	889	1982
1983	2 10 AT 14 30 MST ON JUL 28	1 49 ON JUL 28	0E ON MAR 1	721	1983
1984	11 5 AT 18 30 MST ON MAY 21	7 58 ON MAY 21	0E ON MAR 1	2 480	1984
1985	12 2 AT 03 00 MST ON APR 6	5 44 ON APR 6	0E ON MAR 1	5 740	1985
1986	24 5 AT 22 30 MST ON APR 6	19 8 ON APR 6	0E ON MAR 1	10 500	1986
				4 830	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

LATERAL TO SPILLWAY NEAR CHIN - STATION NO 05AG007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	0.007	0.038	0.023	0.037	0.007	---	---	---	1966
1967	---	---	---	---	0.061	0.003	0.048	0.052	0.031	0.034	---	---	0.047	1967
1968	---	---	---	---	0.012	0.041	0.007	0.015	0.035	0.001	---	---	0.022	1968
1969	---	---	---	---	0.019	0.041	0.015	0.047	0.026	0.005	---	---	0.026	1969
1970	---	---	---	---	0.050	0.038	0.048	0.050	0.056	0.017	---	---	0.045	1970
1971	---	---	---	0	0.004	0.049	0.111	0.128	0.098	0.045	---	---	0.072	1971
1972	---	---	---	---	0.040	0.148	0.121	0.116	0.064	0.004	---	---	0.081	1972
1973	---	---	---	---	0.031	0.137	0.125	0.107	0.058	0.008	---	---	0.055	1973
1974	---	---	---	---	0	0.062	0.100	0.091	0.138	0.045	---	---	0.074	1974
1975	---	---	---	---	0.005	0.002	0.123	0.212	0.093	0.028	---	---	0.077	1975
1976	---	---	---	---	0.085	0.198	0.239	0.224	0.214	0.095	---	---	0.168	1976
1977	---	---	---	---	0.184	0.228	0.239	0.135	0.126	0.016	---	---	0.150	1977
1978	---	---	---	---	0.007	0.029	0.248	0.123	0.038	0.019	---	---	0.078	1978
1979	---	---	---	---	0.012	0.185	0.185	0.138	0.102	0.030	---	---	0.098	1979
1980	---	---	---	---	0.114	0.049	0.231	0.245	0.107	0.088	---	---	0.156	1980
1981	---	---	---	---	0.037	---	---	---	---	---	---	---	---	1981
1982	---	---	---	---	0.043	0.122	0.208	0.218	0.226	0.135	---	---	0.157	1982
1983	---	---	---	---	0.099	0.235	0.279	0.249	0.196	0.087	---	---	0.192	1983
1984	---	---	---	---	0.108	0.359	0.352	0.312	0.242	0.051	---	---	0.230	1984
1985	---	---	---	---	0.010	0.193	0.240	0.184	0.034	0.033	---	---	0.109	1985
1986	---	---	---	---	0.015	0.203	0.200	0.236	0.238	0.107	---	---	0.184	1986
MEAN	---	---	---	0	0.048	0.115	0.155	0.144	0.114	0.042	---	---	0.107	MEAN

LOCATION - LAT 49 50 38 N
LONG 112 25 45 W REGULATED

LATERAL TO SPILLWAY NEAR CHIN - STATION NO 05AG007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	0.178 ON JUL 25	0 ON JUN 1 E	---	1966
1967	---	0.280 ON MAY 7	0 ON MAY 1	743	1967
1968	---	0.187 ON JUL 5	0 ON MAY 1	514	1968
1969	---	0.088 ON JUN 23	0 ON MAY 1	412	1969
1970	---	0.256 ON MAY 23	0 ON MAY 1	709	1970
1971	---	0.221 ON AUG 23	0 ON MAY 1	1 190	1971
1972	---	0.255 ON JUL 17	0 ON MAY 1	1 290	1972
1973	---	0.278 ON JUL 2	0 ON MAY 1	1 520	1973
1974	---	0.286 ON SEP 22	0 ON MAY 3	1 170	1974
1975	---	0.538 ON AUG 17	0 ON MAY 18	1 230	1975
1976	---	0.541 ON AUG 6	0 ON MAY 1	3 670	1976
1977	---	0.388 ON JUL 11	0 ON OCT 26	3 380	1977
1978	---	0.391 ON JUL 18	0 ON MAY 30	1 230	1978
1979	---	0.589 ON AUG 24	0 ON MAY 1	1 500	1979
1980	---	0.930 ON JUL 30 *	0 ON MAY 1	2 460	1980
1981	---	---	---	---	1981
1982	---	0.406 ON AUG 25	0E ON MAY 1	2 480	1982
1983	---	0.461 ON JUN 19	0 ON MAY 1	3 080	1983
1984	---	0.601 ON JUN 23	0 ON MAY 1	3 490	1984
1985	---	0.410 ON JUL 25	0 ON MAY 1	1 730	1985
1986	---	0.611 ON JUL 26	0 ON MAY 1	2 610	1986
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 700	MEAN

E - ESTIMATED

LEAVITT - AETNA CANAL NEAR HEADGATE - STATION NO 05AD022

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1961	---	---	---	0.032	0.208	1.79	1.26	1.22	1.00	0.331	0.144	---	0.748	1961
1962	---	---	---	0.009	0.337	1.34	1.25	1.14	0.699	0.558	0.194	---	0.740	1962
1963	---	---	---	0.318	1.50	1.90	0.868	1.96	1.97	0.734	0.300	---	1.10	1963
1964	---	---	---	0.039	0.023	0.826	1.29	1.70	1.14	0.922	0.290	---	0.793	1964
1965	---	---	---	0.013	0.326	0.760	0.681	1.58	0.513	0.176	0.170	---	0.630	1965
1966	---	---	---	0	0.373	0.673	1.29	1.53	1.10	0.573	0.080	---	0.708	1966
1967	---	---	---	0	0.291	0.273	0.988	2.14	1.90	0.649	0.007	---	0.735	1967
1968	---	---	---	0	0.346	0.920	0.889	1.13	0.450	0.153	0.001	---	0.640	1968
1969	---	---	---	0.082	0.454	1.27	0.927	1.37	1.35	0.562	0	---	0.739	1969
1970	---	---	---	0	0.360	1.10	1.08	1.53	1.30	0.578	0.135	---	0.751	1970
1971	---	---	---	0	0.514	0.852	1.32	1.48	0.973	0.507	0.057	---	0.890	1971
1972	---	---	---	0	0.166	0.716	0.736	0.847	1.08	0.421	0.034	---	0.478	1972
1973	---	---	---	0	0.665	1.80	1.62	1.71	1.18	0.816	0	---	0.982	1973
1974	---	---	0	0.008	0.007	0.542	1.17	1.15	0.571	0.391	0.042	---	0.480	1974
MEAN	---	---	0	0.034	0.358	0.969	1.11	1.48	1.02	0.534	0.102	---	0.709	MEAN

LOCATION - LAT 49 06 45 N
LONG 113 36 50 W REGULATED

LEAVITT - AETNA CANAL NEAR HEADGATE - STATION NO 05AD022

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1961	---	2 83 ON JUN 9 *	0 ON APR 1 *	15 800	1961
1962	---	2 61 ON OCT 7	08 ON APR 18	15 600	1962
1963	---	2 47 ON AUG 19	0 ON APR 1	23 100	1963
1964	---	2 70 ON AUG 15	0 ON APR 1	16 700	1964
1965	---	1 83 ON AUG 24	0 ON NOV 15	11 200	1965
1966	---	2 06 ON AUG 17	0 ON APR 1	14 900	1966
1967	---	2 39 ON AUG 25	0 ON APR 1	15 500	1967
1968	---	1 54 ON AUG 15	0 ON APR 1	9 280	1968
1969	---	2 06 ON JUN 9	0 ON APR 1	15 600	1969
1970	---	1 95 ON JUN 13	0 ON APR 1	15 800	1970
1971	---	1 73 ON JUL 24	08 ON APR 1	14 600	1971
1972	---	1 72 ON SEP 8	0 ON APR 1	10 000	1972
1973	---	2 17 ON JUL 21	0E ON APR 1	20 900	1973
1974	---	1 58 ON AUG 10	0E ON APR 1	10 300	1974
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		14 900	MEAN

LEE CREEK (EAST BRANCH) NEAR BEAZER - STATION NO 05AE040

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	---	0 470	0 239	0 195	---	---	---	---	1978
1979	---	---	---	---	---	0 828	0 249	0 073	0 030	0 049	---	---	---	1979
1980	---	---	---	---	---	1 42	0 285	0 111	0 135	0 171	---	---	---	1980
1981	---	---	---	---	---	1 10	0 342	0 086	0 034	0 086	---	---	---	1981
1982	---	---	---	---	---	0 840	0 303	0 047	0 036	0 045	---	---	---	1982
1983	---	---	---	---	0 425	0 383	0 181	0 049	0 026	---	---	---	---	1983
1984	---	---	---	---	---	0 238	0 086	0 022	0 020	0 030	---	---	---	1984
1985	---	---	---	---	---	0 415	0 088	0 084	0 271	0 520	---	---	---	1985
MEAN	---	---	---	---	0 425	0 748	0 251	0 080	0 083	0 184	---	---	---	MEAN

LOCATION - LAT 49 00 50 N LONG 113 32 20 W
DRAINAGE AREA 37 8 km^2 NATURAL FLOW
DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

LEE CREEK (EAST BRANCH) NEAR BEAZER - STATION NO 05AE040

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	---	---	---	---	1978
1979	---	1 68 A ON MAY 23	---	---	1979
1980	---	---	---	---	1980
1981	11 8 AT 15 10 MST ON MAY 15 *	4 28 ON MAY 15 *	---	---	1981
1982	---	1 20 ON JUN 7	---	---	1982
1983	---	0 825 ON MAY 15	---	---	1983
1984	0 905 AT 17 50 MST ON JUN 21	0 530 ON JUN 21	---	---	1984
1985	1 35 AT 10 50 MST ON MAY 30	1 11 ON MAY 30	---	---	1985
	A - MANUAL GAUGE (SEE REFERENCE INDEX)	* - EXTREME RECORDED FOR THE PERIOD OF RECORD	---	---	MEAN

LEE CREEK AT BEAZER - STATION NO 05AE037

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	3 61	3 93	2 13	1 10	1 08	0 780	---	---	2 10	1978
1979	---	---	---	---	6 23	3 13	1 05	0 421	0 241	0 245	---	---	1 89	1979
1980	---	---	---	---	5 78	5 38	---	---	---	0 697	---	---	---	1980
1981	---	---	---	---	10 1	5 01	1 72	0 633	0 331	0 292	---	---	3 01	1981
1982	---	---	---	---	---	3 17	1 20	0 383	0 306	0 325	---	---	---	1982
1983	---	---	---	---	2 11	1 38	0 568	0 219	0 145	0 180	---	---	0 763	1983
1984	---	---	---	---	1 06	0 980	0 381	0 167	0 139	0 159	---	---	0 477	1984
1985	---	---	---	1 70	1 95	1 45	0 393	0 433	1 24	2 38	---	---	1 30	1985
MEAN	---	---	---	1 70	4 41	3 05	1 08	0 477	0 489	0 827	---	---	1 59	MEAN

LOCATION - LAT 49 05 45 N LONG 113 29 00 W
DRAINAGE AREA 175 km^2 NATURAL FLOW
DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

LEE CREEK AT BEAZER - STATION NO 05AE037

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	---	10.8 ON JUN 1	0.530 ON SEP 3	33 400	1978
1979	---	8.85 ON MAY 16	0.190 ON SEP 30	30 000	1979
1980	---	---	---	---	1980
1981	50.0 AT 16 49 MST ON MAY 15 *	29.6 ON MAY 22 *	0.263 ON OCT 31	47 900	1981
1982	---	4.64 ON JUN 7	---	---	1982
1983	3.45 AT 03 45 MST ON MAY 22	3.20 ON MAY 22	0.086 ON SEP 8 *	12 100	1983
1984	3.51 AT 03 20 MST ON JUN 22	2.89 ON JUN 22	0.105 ON AUG 28	7 580	1984
1985	4.42 AT 13 20 MST ON SEP 12	3.83 ON OCT 15	0.236 ON AUG 4	20 700	1985
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		25 300	MEAN

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	---	0 557	0 285	---	---	---	1909
1910	---	---	---	0 867	1 72	1 30	0 342	0 195	1 80	1 39	---	---	---	1910
1911	---	---	---	---	10 1	6 87	2 36	2 57	6 91	---	---	---	---	1911
1912	---	---	---	---	---	---	---	0 813	0 725	0 741	0 783	0 485	---	1912
1913	0 257	0 388	1 68	8 29	8 34	5 10	2 14	1 06	0 480	0 914	---	---	---	1913
1914	---	---	---	2 45	3 74	2 42	---	---	---	---	---	---	---	1914
1920	---	---	---	---	---	---	---	0 537	0 258	0 273	0 254	0 139	---	1920
1921	0 138	0 300	0 600	3 16	6 03	3 96	0 994	0 259	0 313	0 303	0 223	0 285	1 38	1921
1922	0 219	0 060	0 088	1 93	5 59	4 87	1 93	0 375	0 234	0 261	0 258	0 224	1 41	1922
1923	0 181	0 225	0 390	1 31	3 85	6 59	1 87	0 840	0 316	0 517	0 311	0 375	1 41	1923
1924	0 292	0 761	0 327	1 30	3 55	7 50	2 03	1 57	0 436	0 483	0 386	0 276	1 57	1924
1925	0 456	0 487	1 67	3 81	5 83	3 76	0 903	0 386	0 595	1 01	0 418	0 570	1 84	1925
1926	0 298	0 323	0 531	1 28	0 871	1 14	0 418	0 203	0 935	1 68	0 518	0 187	0 705	1926
1927	0 200	0 301	1 32	5 52	19 5	17 8	4 09	2 57	4 73	3 99	2 01	1 30	5 33	1927
1928	2 79	0 870	4 30	3 38	4 98	6 30	5 80	1 83	0 824	1 25	1 07	0 592	2 92	1928
1929	0 377	0 329	3 50	2 51	5 72	4 85	1 35	0 243	0 308	0 390	0 431	0 246	1 78	1929
1930	0 185	1 30	2 19	4 52	6 16	3 34	0 848	0 189	0 307	0 331	0 353	0 223	1 66	1930
1931	0 241	0 422	0 431	0 868	1 15	0 745	0 226	0 141	0 287	0 288	0 291	0 161	0 420	1931
1932	0 083	0 215	0 758	2 53	3 87	2 54	0 589	0 200	0 116	0 197	0 418	0 142	0 978	1932
1933	0 133	0 130	0 588	2 01	5 50	3 15	0 816	0 195	0 218	0 436	0 182	0 374	1 13	1933
1934	0 775	1 01	1 22	3 82	2 74	5 91	1 21	0 178	0 280	0 873	1 48	0 825	1 85	1934
1935	1 74	1 18	0 760	2 67	4 45	2 51	0 588	0 084	0 135	0 192	0 185	0 145	1 22	1935
1936	0 153	0 030	1 40	1 82	1 40	1 06	0 055	0 014	0 066	0 159	0 177	0 104	0 535	1936
1937	0 028	0 055	0 459	1 49	2 02	7 44	1 05	0 282	0 189	0 483	0 256	0 209	1 15	1937
1938	0 185	0 225	0 517	2 49	5 25	3 49	1 83	0 280	0 187	0 193	0 158	0 119	1 35	1938
1939	0 139	0 079	0 887	1 16	0 783	1 45	0 359	0 098	0 202	0 380	0 246	0 188	0 504	1939
1940	0 078	0 148	1 81	1 10	3 75	0 807	0 446	0 114	0 485	0 438	0 325	0 289	0 802	1940
1941	0 197	0 115	0 326	1 48	1 37	1 83	1 03	0 290	0 459	0 472	0 309	0 257	0 879	1941
1942	0 230	0 184	0 261	2 07	4 34	8 80	2 42	1 06	0 799	0 526	0 575	0 572	1 83	1942
1943	0 406	0 423	1 26	4 53	5 09	7 33	3 10	0 437	0 297	0 264	0 259	0 144	1 96	1943
1944	0 141	0 102	0 267	0 915	0 828	1 49	0 727	0 237	0 177	0 205	0 154	0 135	0 447	1944
1945	0 182	0 186	0 325	0 598	3 56	7 98	1 52	0 251	0 417	0 402	0 440	0 300	1 34	1945
1946	0 221	0 302	0 630	1 81	2 33	1 95	0 859	0 151	0 270	0 740	0 558	0 859	0 842	1946
1947	0 467	1 89	2 88	5 76	6 96	3 90	0 945	0 398	0 781	0 988	1 05	0 804	2 22	1947
1948	0 500	0 386	0 811	5 73	14 3	20 7	3 84	1 17	0 421	0 334	0 180	0 119	4 03	1948
1949	0 183	0 132	0 837	2 29	4 03	2 40	0 596	0 108	0 263	0 342	0 401	0 211	0 869	1949
1950	0 149	0 393	0 688	3 16	7 47	7 93	2 93	0 744	0 313	0 458	0 378	0 459	2 11	1950
1951	0 300	0 602	1 73	4 85	14 4	15 4	8 75	4 01	8 04	4 85	3 28	1 30	5 46	1951
1952	0 976	1 40	2 45	6 13	3 68	2 12	1 21	0 970	0 629	0 512	0 485	0 415	1 74	1952
1953	0 409	0 414	1 77	4 50	11 5	23 2	2 44	0 863	0 400	0 341	0 391	0 334	3 85	1953
1954	0 207	0 777	0 737	3 28	9 88	5 22	1 77	0 544	0 592	0 862	0 598	0 407	2 08	1954
1955	0 370	0 192	1 72	3 51	12 3	7 94	2 86	0 502	0 308	0 425	0 270	0 220	2 57	1955
1956	0 156	0 148	1 04	2 17	5 72	2 98	2 24	0 734	0 391	0 287	0 294	0 210	1 37	1956
1957	0 215	0 551	0 772	1 74	7 31	3 51	0 686	0 258	0 324	0 772	0 853	0 357	1 65	1957
1958	0 376	0 438	0 887	3 17	4 46	8 33	2 89	0 772	0 404	0 409	0 436	0 407	1 72	1958
1959	0 455	0 427	2 50	2 93	5 97	4 42	1 21	0 415	0 463	0 808	0 556	0 581	1 80	1959
1960	0 344	0 286	2 35	2 56	5 07	2 94	0 787	0 451	0 330	0 345	0 302	0 252	1 42	1960
1961	0 134	0 380	0 525	0 821	3 63	2 60	0 691	0 295	0 589	0 655	0 483	0 282	0 892	1961
1962	0 618	0 881	1 17	3 83	3 55	3 05	0 956	0 333	0 340	0 332	0 203	0 141	1 25	1962
1963	0 114	0 696	0 284	0 802	1 92	3 62	1 53	0 390	0 279	0 257	0 225	0 220	0 859	1963
1964	0 132	0 183	0 232	1 22	10 2	19 6	2 04	0 554	0 738	0 620	0 368	0 232	3 02	1964
1965	0 408	0 814	0 727	5 37	6 18	8 77	3 04	1 01	1 58	1 15	0 854	0 624	2 53	1965
1966	0 403	0 377	2 48	3 32	4 08	9 29	2 20	0 867	0 506	0 789	0 595	0 405	2 11	1966
1967	0 381	0 837	1 41	1 96	14 3	13 6	2 49	0 638	0 357	0 318	0 307	0 236	3 08	1967
1968	0 482	0 564	0 861	1 25	3 80	3 50	1 45	0 962	2 69	2 86	1 46	0 727	1 70	1968
1969	0 884	0 328	1 99	5 62	3 28	7 80	3 90	0 533	0 387	0 544	0 293	0 104	2 12	1969
1970	0 124	0 174	0 387	1 33	5 94	6 92	1 33	0 422	0 458	0 489	0 305	0 148	1 50	1970
1971	0 185	0 515	0 418	2 43	5 03	4 36	1 53	0 383	0 452	0 518	0 495	0 189	1 48	1971
1972	0 191	0 189	4 02	4 04	8 84	6 84	2 88	1 38	0 927	0 628	0 822	0 416	2 87	1972
1973	0 542	0 385	0 882	1 84	3 89	2 04	0 598	0 271	0 308	0 282	0 275	0 173	0 908	1973
1974	0 304	0 198	0 844	2 49	5 27	4 56	1 18	0 580	0 447	0 388	0 407	0 209	1 41	1974
1975	0 220	0 094	0 188	2 35	11 7	18 1	3 38	1 18	0 801	0 750	0 495	1 03	3 34	1975
1976	0 531	0 495	1 28	2 80	5 16	3 01	1 27	0 958	0 367	0 284	0 348	0 299	1 40	1976
1977	0 239	0 359	0 316	1 01	0 705	0 367	0 199	0 345	0 295	0 255	0 138	0 141	0 384	1977
1978	0 128	0 218	1 13	1 62	3 87	3 88	2 09	1 19	1 25	0 759	0 429	0 396	1 42	1978
1979	0 312	0 186	2 83	3 78	7 52	3 27	1 05	0 412	0 213	0 142	0 141	0 132	1 88	1979
1980	0 091	0 371	0 405	2 28	5 79	5 91	1 18	0 803	0 557	0 730	0 672	0 952	1 88	1980
1981	1 01	0 870	1 35	2 34	14 9	10 5	1 99	0 859	0 293	0 411	0 242	0 124	2 91	1981
1982	0 006	0 009	0 509	2 31	2 18	3 43	1 33	0 318	0 266	0 295	0 180	0 184	0 919	1982
1983	0 258	0 220	0 238	0 859	2 00	1 57	0 840	0 183	0 203	0 273	0 158	0 085	0 556	1983
1984	0 345	0 114	0 216	0 733	1 12	1 09	0 409	0 189	0 237	0 344	0 212	0 083	0 424	1984
1985	0 107	0 126	0 774	1 83	1 91	1 48	0 319	0 505	1 51	2 32	1 21	0 629	1 05	1985
1986	0 743	2 23	2 28	2 44	3 59	2 26	0 728	0 152	1 28	1 82	0 758	0 624	1 57	1986
MEAN	0 359	0 434	1 15	2 85	5 83	5 64	1 87	0 525	0 743	0 699	0 505	0 354	1 70	MEAN

LOCATION - LAT 49 12 00 N DRAINAGE AREA 307 km²
LONG 113 17 45 W REGULATED

LEE CREEK AT CARDSTON - STATION NO 05AE002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	3.91 ON MAY 19	---	---	1910
1911	---	39.6 ON MAY 15	---	---	1911
1912	---	---	---	---	1912
1913	---	18.5 ON APR 8	0.1788 ON JAN 23	---	1913
1914	---	6.288 ON MAR 29	---	---	1914
1920	---	---	---	---	1920
1921	---	8.95 ON APR 2	0.0858 ON NOV 20	43 700	1921
1922	---	10.0 ON APR 29	0.0218 ON FEB 22	44 400	1922
1923	---	22.0 E ON JUN 22	0.1228 ON JAN 25	44 400	1923
1924	---	26.5 E ON JUN 7	0.1878 ON JAN 3	49 600	1924
1925	---	8.58 ON MAY 3	0.227 ON AUG 3	51 800	1925
1926	---	3.54 ON JUN 21	0.110 ON JUL 31	22 300	1926
1927	---	81.8 ON MAY 31	0.1108 ON JAN 17	168 000	1927
1928	---	29.7 ON JUL 1	0.4398 ON DEC 31	82 200	1928
1929	---	15.5 ON JUN 3	0.110 ON AUG 28	56 200	1929
1930	---	10.7 ON MAY 4	0.068 ON AUG 28	52 300	1930
1931	---	1.81 ON MAY 30	0.040 ON JUL 27	13 200	1931
1932	---	6.82 ON MAY 21	0.0118 ON FEB 13	30 900	1932
1933	---	7.08 ON MAY 14	0.0628 ON FEB 7	35 700	1933
1934	---	28.6 ON JUN 7	0.0858 ON DEC 26	52 100	1934
1935	---	14.2 B ON JAN 25	0.020 ON AUG 28	38 300	1935
1936	---	17.8 B ON MAR 2	0 B ON FEB 18 *	17 000	1936
1937	---	57.2 ON JUN 13	0.023 ON SEP 20	36 400	1937
1938	---	11.0 ON MAY 2	0 B ON DEC 31	42 500	1938
1939	---	3.98 ON MAR 21	0 B ON FEB 13	15 900	1939
1940	---	8.888 ON MAR 16	0.0148 ON JAN 23	25 300	1940
1941	---	4.93 ON JUN 2	0.062 ON AUG 23	21 400	1941
1942	---	44.2 ON JUN 5	0.0858 ON FEB 10	57 600	1942
1943	---	9.88 ON JUN 9	0.0798 ON DEC 19	81 800	1943
1944	---	6.09 ON JUN 27	0.023 ON AUG 9	14 100	1944
1945	---	22.2 ON JUN 5	0.079 ON SEP 4	42 300	1945
1946	---	3.88 ON MAY 28	0.023 ON AUG 23	26 600	1946
1947	---	14.8 ON MAY 3	0.1708 ON MAR 5	69 900	1947
1948	---	130 ON JUN 17	0.0598 ON DEC 23	127 000	1948
1949	---	13.8 ON MAY 22	0.048 ON AUG 21	30 600	1949
1950	---	13.2 ON MAY 13	0.0858 ON JAN 4	66 500	1950
1951	221 AT 17 00 MST ON JUN 24	110 ON JUN 24	0.1368 ON JAN 21	172 000	1951
1952	---	12.4 B ON MAR 27	0.2558 ON DEC 19	55 100	1952
1953	170 A AT 24 00 MST ON JUN 3	98.8 A ON JUN 4	0.2278 ON JAN 7	123 000	1953
1954	---	20.3 ON MAY 19	0.0578 ON DEC 26	85 800	1954
1955	---	46.4 ON MAY 18	0.0288 ON MAR 4	81 000	1955
1956	---	11.8 A ON JUL 4	0.0578 ON OCT 31	43 300	1956
1957	18.1 AT 08 00 MST ON MAY 14	12.5 ON MAY 14	0.1138 ON JAN 14	45 800	1957
1958	16.5 AT 07 00 MST ON JUN 10	11.7 ON JUN 10	0.1138 ON FEB 7	54 000	1958
1959	17.0 AT 01 00 MST ON MAY 19	13.5 ON MAY 19	0.1988 ON JAN 21	56 900	1959
1960	10.6 AT 05 00 MST ON MAY 13	9.15 ON MAY 13	0.0858 ON JAN 19	45 000	1960
1961	10.1 AT 04 00 MST ON MAY 31	7.25 ON MAY 31	0.0578 ON JAN 4	28 100	1961
1962	10.3 AT 17 00 MST ON JUN 14	8.89 ON JUN 14	0.0798 ON DEC 24	39 400	1962
1963	12.3 AT 13 00 MST ON JUN 10	8.33 ON JUN 10	0.0578 ON JAN 24	27 100	1963
1964	323 AT 17 00 MST ON JUN 8 *	151 ON JUN 8 *	0.0578 ON MAR 24	95 500	1964
1965	36.0 AT 13 00 MST ON JUN 17	22.5 ON JUN 17	0.1788 ON DEC 29	79 700	1965
1966	88.5 AT 19 00 MST ON JUN 4	45.9 ON JUN 4	0.1938 ON JAN 2	86 500	1966
1967	67.3 AT 07 30 MST ON JUN 9	34.8 ON JUN 9	0.1308 ON DEC 6	95 400	1967
1968	13.3 AT 03 20 MST ON MAY 23	10.0 ON SEP 25	0.1088 ON JAN 11	53 700	1968
1969	53.2 AT 09 25 MST ON JUN 26	38.2 ON JUN 26	0.0598 ON DEC 25	66 800	1969
1970	54.1 AT 18 20 MST ON JUN 13	27.4 ON JUN 13	0.0458 ON DEC 24	47 400	1970
1971	13.8 AT 13 00 MST ON MAY 6	11.5 ON MAY 6	0.0798 ON JAN 1	46 000	1971
1972	24.1 B AT 17 10 MST ON MAR 10	17.7 ON MAY 26	0.1388 ON JAN 4	84 800	1972
1973	.7 08 AT 06 00 MST ON MAY 18	6.26 ON MAY 18	0.1278 ON DEC 28	28 800	1973
1974	15.3 AT 22 10 MST ON APR 30	12.1 ON MAY 1	0.0798 ON DEC 31	44 500	1974
1975	226 AT 03 00 MST ON JUN 20	146 ON JUN 20	0.0258 ON FEB 7	105 000	1975
1976	12.7 AT 00 00 MST ON MAR 16	8.18 ON MAY 6	0.224 ON OCT 14	44 300	1976
1977	.2 248 AT 20 30 MST ON APR 6	1.99 ON APR 9	0.0518 ON NOV 21	11 500	1977
1978	22.3 AT 01 30 MST ON JUN 1	13.8 ON JUN 1	0.0288 ON FEB 16	44 800	1978
1979	11.6 AT 02 25 MST ON MAY 17	10.1 ON MAY 16	0.051 ON OCT 1	52 800	1979
1980	58.3 AT 15 10 MST ON MAY 26	46.6 ON MAY 26	0.0198 ON JAN 12	53 000	1980
1981	144 AT 18 30 MST ON MAY 22	62.4 ON MAY 22	0.0308 ON DEC 30	91 700	1981
1982	---	10.0 B ON APR 13	0.0018 ON JAN 8	29 000	1982
1983	---	3.56 ON MAY 25	0.0138 ON DEC 24	17 500	1983
1984	---	3.62 ON JUN 22	0.0408 ON DEC 21	13 400	1984
1985	5.38 AT 17 50 MST ON JUL 23	4.62A ON SEP 12	0.0208 ON FEB 10	33 500	1985
1986	---	20.0 B ON FEB 24	0.051 ON AUG 19	49 500	1986
				53 700	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LEE CREEK AT LAYTON'S RANCH - STATION NO 05AE008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1913	---	---	---	---	---	4.32	1.99	1.01	0.553	0.871	1.01	0.289	---	1913
1914	0.437	0.282	0.592	2.33	3.59	2.85	0.886	0.589	0.474	1.83	1.69	0.488	1.32	1914
1915	0.491	0.387	0.736	1.77	4.95	10.2	4.28	2.80	2.02	2.58	1.59	1.02	2.72	1915
1916	0.500	1.72	2.67	3.69	7.08	13.4	5.05	1.37	0.933	0.994	1.01	0.867	3.25	1916
1917	0.456	0.484	0.480	1.85	8.54	9.73	2.16	0.531	0.412	0.436	0.459	0.345	2.14	1917
1918	1.11	0.383	0.777	2.17	3.23	1.86	0.630	0.322	0.384	0.385	0.207	0.199	0.980	1918
1919	0.302	0.287	0.387	1.18	1.73	0.895	0.183	0.131	0.093	0.249	0.307	0.154	0.491	1919
1920	0.309	0.316	0.447	2.43	8.45	5.28	1.88	---	---	---	---	---	---	1920
MEAN	0.515	0.546	0.870	2.17	5.37	6.05	2.14	0.932	0.694	1.05	0.896	0.449	1.82	MEAN

LOCATION - LAT 49 08 51 N DRAINAGE AREA, 230 km²
LONG 113 23 14 W NATURAL FLOW

LEE CREEK AT LAYTON'S RANCH - STATION NO 05AE008

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1913	---	---	---	---	1913
1914	---	5.04 ON OCT 18	0.1478 ON FEB 21	41 800	1914
1915	---	15.9 ON JUN 15	0.2838 ON MAR 5	86 000	1915
1916	---	25.9 ON JUN 29 *	0.2418 ON JAN 31	103 000	1916
1917	---	18.0 ON MAY 27	0.1138 ON DEC 3	67 800	1917
1918	---	3.94 ON MAY 17	0.1058 ON NOV 24	30 900	1918
1919	---	2.12 ON APR 28	0.057 ON AUG 24 *	15 500	1919
1920	---	17.2 ON MAY 17	---	---	1920
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		57 500	MEAN

LEE CREEK BELOW CONFLUENCE OF EAST FORK - STATION NO 05AE804

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	---	---	5.51	3.26	1.20	0.458	0.219	0.233	0.202	0.089	1.81	1981
1982	---	---	---	---	1.54	2.51	0.942	0.228	0.224	0.240	---	---	0.942	1982
1983	---	---	---	---	1.84	1.17	0.547	0.260	0.166	0.145	---	---	0.654	1983
1984	---	---	---	---	0.851	0.748	---	---	---	---	---	---	---	1984
1985	---	---	---	---	---	1.29	0.375	0.427	0.905	1.84	---	---	---	1985
1986	---	---	1.31	2.12	2.19	1.51	0.500	0.199	0.457	0.912	---	---	0.982	1986
MEAN	---	---	1.31	2.12	2.35	1.75	0.713	0.314	0.394	0.674	0.202	0.089	1.09	MEAN

LOCATION - LAT 49 01 30 N DRAINAGE AREA, 84.5 km² DATA CONTRIBUTED BY -
LONG 113 02 30 W NATURAL FLOW ALBERTA DEPARTMENT OF THE ENVIRONMENT

LEE CREEK BELOW CONFLUENCE OF EAST FORK - STATION NO 05AE804

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1981	---	12.5 ON MAY 15 *	0.189 ON SEP 30	28 800	1981
1982	---	3.15 ON JUN 30	0.154 ON SEP 9	15 000	1982
1983	2.74 AT 08 30 MST ON MAY 26	2.54 ON MAY 28	0.112 ON OCT 27 *	10 400	1983
1984	---	---	---	---	1984
1985	3.13 AT 08 40 MST ON SEP 12 *	2.74 ON OCT 18	---	---	1985
1986	---	2.96 ON MAY 30	0.138 ON AUG 29	15 300	1986
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		17 400	MEAN

LEE CREEK NEAR BEAZER - STATION NO 05AE023

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1941	---	---	---	---	---	0.991	0.616	0.238	0.268	0.283	0.185	0.180	---	1941
1942	0.158	0.128	0.188	1.14	3.30	5.78	1.96	0.904	0.711	0.529	0.455	0.342	1.30	1942
1943	0.269	0.278	0.403	3.17	4.85	6.09	2.04	0.520	0.317	0.306	0.263	0.131	1.55	1943
1944	0.110	0.086	0.127	0.486	---	---	0.693	0.349	0.240	0.225	0.155	0.113	---	1944
1945	0.142	0.142	0.209	0.357	2.76	5.93	1.35	0.330	0.320	---	---	---	---	1945
MEAN	0.170	0.159	0.227	1.29	3.84	4.70	1.33	0.468	0.371	0.331	0.265	0.192	1.43	MEAN

LOCATION - LAT 49 03 50 N DRAINAGE AREA, 109 km²
LONG 113 31 00 W NATURAL FLOW

LEE CREEK NEAR BEAZER - STATION NO. 05AE023

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1941	---	---	---	---	1941
1942	---	16.3 ON JUN 6 *	0.0858 ON FEB 6	41 000	1942
1943	---	9.23 ON JUN 13	0.0598 ON DEC 22 *	49 000	1943
1944	---	---	0.0628 ON MAR 3	---	1944
1945	---	11.2 ON JUN 7	---	---	1945
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		45 000	MEAN

LESSER SLAVE RIVER ABOVE OTAUWAU RIVER - STATION NO. 07BK002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1922	---	---	---	---	---	---	---	48.9	44.3	41.9	---	---	---	1922
MEAN	---	---	---	---	---	---	---	48.9	44.3	41.9	---	---	---	MEAN

LOCATION - LAT 55 16 40 N LONG 114 24 30 W DRAINAGE AREA, 14 500 km^2 NATURAL FLOW

LESSER SLAVE RIVER AT HIGHWAY NO. 2A - STATION NO. 07BK006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1983	---	---	---	---	88.6	82.4	73.4	67.2	---	---	---	---	---	1983
1984	---	31.8	31.0	41.7	52.8	55.3	61.4	82.9	86.1	80.8	69.0	43.8	---	1984
1985	41.5	41.8	45.0	65.1	105	107	108	98.7	101	92.1	77.6	49.2	78.1	1985
1986	44.1	51.2	59.6	73.4	79.8	78.4	68.2	63.2	59.1	53.8	38.8	33.1	58.7	1986
1987	30.1	27.8	27.7	37.5	57.4	57.3	52.2	44.3	38.1	32.0	20.6	13.5	36.6	1987
1988	16.7	15.9	19.7	28.6	31.5	36.6	36.2	33.7	32.7	28.8	17.3	14.9	26.1	1988
1989	14.4	13.0	14.7	27.7	31.6	28.1	26.4	23.5	25.5	25.1	18.9	18.1	22.4	1989
1970	15.0	15.3	17.4	28.7	38.1	41.6	54.4	44.0	41.4	37.4	30.4	20.8	32.1	1970
1971	17.8	18.0	18.8	36.5	49.3	57.8	90.3	84.2	73.8	65.3	46.3	33.8	49.5	1971
1972	30.7	30.4	37.1	52.3	69.9	73.7	76.5	68.6	60.5	56.3	42.2	33.7	52.7	1972
1973	31.9	31.2	35.6	45.5	60.6	77.2	77.3	71.6	68.2	64.4	52.5	37.4	54.6	1973
1974	32.8	34.8	35.0	57.6	97.7	92.3	98.8	91.8	87.4	82.8	68.1	44.6	68.8	1974
1975	44.6	44.6	47.2	65.7	67.1	68.7	82.2	75.5	79.0	69.3	60.4	37.3	61.0	1975
1976	38.6	39.3	42.6	61.1	88.5	72.3	90.0	91.8	103	84.2	78.8	52.9	69.5	1976
1977	43.2	51.2	57.0	82.1	101	117	121	112	106	96.3	77.5	49.7	84.6	1977
1978	46.8	44.8	58.7	74.1	87.3	88.4	82.7	72.4	75.2	73.7	58.2	42.0	67.1	1978
1979	33.3	31.6	42.6	54.1	78.9	101	132	119	108	87.6	67.1	57.1	78.7	1979
1980	42.2	44.2	57.0	65.0	65.6	67.9	65.3	62.6	58.5	54.4	48.0	29.1	55.0	1980
1981	27.8	29.6	40.6	49.3	56.5	57.9	53.7	46.0	36.8	31.4	26.6	16.6	39.6	1981
1982	14.1	14.6	16.3	24.2	35.7	35.2	36.3	47.7	41.9	35.8	22.7	19.9	28.7	1982
1983	17.6	20.3	25.5	28.6	28.8	39.4	76.5	87.4	80.6	68.4	52.7	32.8	46.8	1983
1984	36.2	47.0	44.5	44.6	47.5	73.1	87.6	68.3	54.9	48.1	34.3	28.6	48.7	1984
1985	26.6	24.6	27.1	41.7	88.1	63.4	57.3	45.6	42.6	45.6	34.3	29.1	42.3	1985
1986	27.7	25.3	26.1	36.9	57.3	63.9	72.1	74.7	58.7	56.7	43.6	35.5	48.4	1986
MEAN	30.6	31.7	35.9	48.4	63.6	66.2	73.3	69.4	66.0	60.4	48.2	33.6	52.3	MEAN

LOCATION - LAT 55 17 39 N LONG 114 35 26 W DRAINAGE AREA, 14 400 km^2 NATURAL FLOW

LESSER SLAVE RIVER AT HIGHWAY NO 2A - STATION NO 07BK006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1983	---	---	---	---	1983
1984	95.1 AT 01 00 MST ON SEP 6	94.0 ON SEP 5	---	---	1984
1985	125 AT 11 00 MST ON JUN 29	123 ON JUN 29	35.8 B ON JAN 1	2 480 000	1985
1986	101 AT 03 00 MST ON OCT 2	89.5 ON JUN 2	30.3 B ON NOV 30	1 850 000	1986
1987	86.3 AT 19 00 MST ON MAY 19	65.7 ON MAY 19	4.818 ON NOV 29 *	1 150 000	1987
1988	84.0 AT 20 00 MST ON JUN 13	56.9 ON JUN 14	7.938 ON NOV 19	824 000	1988
1989	45.3 AT 13 00 MST ON APR 30	43.6 ON APR 30	12.5 B ON FEB 11	706 000	1989
1970	---	72.8 ON JUL 1	12.2 B ON JAN 6	1 010 000	1970
1971	93.7 AT 18 00 MST ON JUL 7	93.7 ON JUL 5	17.3 B ON JAN 15	1 880 000	1971
1972	80.6 AT 23 00 MST ON JUN 19	90.0 ON JUN 19	28.9 B ON DEC 25	1 670 000	1972
1973	92.3 AT 19 30 MST ON JUN 18	92.0 ON JUN 18	26.7 B ON JAN 3	1 720 000	1973
1974	114 AT 02 00 MST ON JUL 16	114 ON JUL 15	30.3 B ON FEB 14	2 170 000	1974
1975	98.5 AT 20 00 MST ON JUL 19	97.7 ON JUL 19	32.6 B ON DEC 14	1 920 000	1975
1976	109 AT 03 00 MST ON AUG 28	109 ON AUG 28	31.1 B ON MAR 2	2 200 000	1976
1977	128 AT 00 00 MST ON JUL 20	128 ON JUL 18	36.5 B ON JAN 29	2 670 000	1977
1978	96.0 AT 17 00 MST ON MAY 1	96.0 ON MAY 1	35.0 B ON DEC 30	2 120 000	1978
1979	146 AT 14 00 MST ON JUL 17 *	146 ON JUL 17 *	30.8 B ON FEB 18	2 480 000	1979
1980	80.0 AT 18 00 MST ON AUG 6	77.4 ON AUG 6	17.5 B ON DEC 19	1 740 000	1980
1981	63.0 AT 15 30 MST ON JUL 8	62.4 ON JUN 22	13.5 B ON DEC 30	1 250 000	1981
1982	64.9 AT 23 43 MST ON AUG 4	63.0 ON AUG 5	13.2 B ON JAN 2	906 000	1982
1983	120 AT 15 00 MST ON JUL 29	119 ON JUL 29	12.9 B ON JAN 11	1 480 000	1983
1984	93.4 AT 16 00 MST ON JUN 8	92.6 ON JUN 8	23.9 B ON DEC 12	1 540 000	1984
1985	75.6 AT 12 00 MST ON MAY 6	74.8 ON MAY 6	20.5 B ON JAN 20	1 330 000	1985
1986	98.9 AT 19 30 MST ON JUL 16	96.0 ON JUL 19	22.7 B ON FEB 24	1 530 000	1986
				1 650 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

LESSER SLAVE RIVER AT SAULTEAUX LANDING - STATION NO 07BK003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1922	---	---	---	---	---	---	---	66.5	54.8	47.4	---	---	---	1922
MEAN	---	---	---	---	---	---	---	66.5	54.8	47.4	---	---	---	MEAN

LOCATION - LAT 55 16 00 N LONG 114 18 50 W DRAINAGE AREA 15 100 km^2 NATURAL FLOW

LESSER SLAVE RIVER AT SLAVE LAKE - STATION NO 07BK001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	62.3	61.8	58.5	50.1	43.0	26.7	18.9	---	1915
1916	17.2	20.5	22.6	30.0	39.2	44.6	49.2	46.2	36.5	30.6	26.6	20.3	32.0	1916
1917	17.7	17.1	15.9	22.3	33.3	47.5	49.1	44.9	38.7	36.7	31.4	18.8	31.0	1917
1918	19.3	16.8	18.3	18.8	25.6	28.1	30.4	33.3	31.0	29.8	23.8	17.9	24.5	1918
1919	16.8	17.0	17.4	19.9	24.6	36.7	54.1	55.3	45.1	40.7	30.9	29.0	32.5	1919
1920	27.8	26.2	27.3	30.2	42.9	75.7	106	99.1	91.9	89.6	68.0	44.0	60.9	1920
1921	42.5	52.1	58.9	58.6	63.1	68.3	73.0	73.0	64.3	50.4	37.6	41.6	55.8	1921
1922	29.9	28.6	32.6	36.4	54.5	60.5	51.4	51.7	42.9	37.6	29.4	21.9	39.8	1922
1923	19.7	19.1	21.5	25.5	33.0	39.3	43.6	41.6	34.3	27.1	23.5	18.8	28.8	1923
1924	12.9	18.5	20.6	20.7	20.7	21.8	22.5	24.7	27.9	28.0	23.6	21.7	21.8	1924
1925	19.5	18.4	21.7	26.7	39.8	47.1	44.1	38.1	35.3	30.0	27.9	24.8	31.2	1925
1926	24.2	24.6	23.6	24.4	33.5	53.4	55.7	43.8	40.9	42.0	37.9	28.2	36.1	1926
1927	20.6	17.5	23.6	29.2	39.4	55.0	95.9	101	69.6	81.0	52.1	37.1	53.8	1927
1928	43.7	51.7	57.6	60.4	67.7	71.5	70.4	61.8	52.3	46.7	33.4	27.3	53.7	1928
1929	24.7	21.4	21.6	25.8	44.8	59.7	50.1	48.4	46.2	44.3	35.0	22.6	37.1	1929
1930	23.8	22.4	22.5	34.7	49.3	88.3	106	92.3	80.5	68.6	56.1	49.6	58.1	1930
1931	34.5	26.1	39.7	42.3	41.1	49.5	55.1	49.4	46.7	41.4	---	---	---	1931
1935	---	---	---	---	---	156	219	214	183	140	94.0	79.3	---	1935
1936	69.8	61.0	54.9	53.7	96.8	112	125	116	105	101	91.6	81.0	89.1	1936
1937	55.5	48.7	47.7	65.1	81.3	88.2	78.3	70.7	67.7	56.9	47.7	36.3	62.2	1937
1938	33.9	33.0	45.5	49.6	49.8	43.7	40.0	34.1	30.1	26.9	23.8	22.4	36.1	1938
1939	18.9	19.2	21.1	25.8	28.7	28.7	27.7	24.5	21.6	20.0	21.8	21.2	23.3	1939
1940	14.0	13.3	16.5	19.7	25.9	31.8	30.3	27.6	22.4	---	---	---	---	1940
1960	---	---	---	---	---	---	---	29.6	28.7	22.1	15.0	13.7	---	1960
1961	15.3	13.3	14.3	18.9	23.0	34.8	31.7	41.1	35.5	32.8	10.6	13.8	23.8	1961
1962	13.8	14.0	14.2	17.3	39.4	63.1	63.4	57.1	44.9	---	---	---	---	1962
MEAN	26.9	26.1	28.6	32.9	43.4	58.7	65.4	60.7	53.5	48.6	37.8	30.8	41.6	MEAN

LOCATION - LAT 55 18 20 N LONG 114 45 30 W DRAINAGE AREA 13 600 km^2 NATURAL FLOW

LESSER SLAVE RIVER AT SLAVE LAKE - STATION NO 07BK001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	---	---	---	1915
1916	---	55.5 ON AUG 8	15.8 B ON JAN 4	1 010 000	1916
1917	---	32.0 ON JUL 19	8.789 ON JAN 11	978 000	1917
1918	---	39.4 ON AUG 24	15.3 B ON FEB 15	772 000	1918
1919	---	78.4 ON JUL 17	16.4 B ON FEB 16	1 030 000	1919
1920	---	118 ON JUN 25	24.1 B ON JAN 30	1 920 000	1920
1921	---	81.0 ON AUG 2	32.8 B ON NOV 24	1 790 000	1921
1922	---	87.4 ON MAY 26	20.1 B ON DEC 14	1 280 000	1922
1923	---	91.6 ON JUL 29	8.388 ON JAN 17 *	909 000	1923
1924	---	33.4 ON SEP 2	11.4 B ON JAN 28	889 000	1924
1925	---	51.0 ON JUL 1	18.2 B ON JAN 30	984 000	1925
1926	---	70.6 ON JUN 27	22.2 ON APR 10	1 140 000	1926
1927	---	110 ON JUL 26	16.5 B ON FEB 17	1 700 000	1927
1928	---	75.9 ON JUL 15	23.7 ON NOV 5	1 700 000	1928
1929	---	69.1 ON JUN 15	19.7 B ON MAR 7	1 170 000	1929
1930	---	112 ON JUL 15	19.0 B ON FEB 28	1 830 000	1930
1931	---	66.0 ON JUN 24	---	---	1931
1935	---	240 A ON JUL 15 *	---	---	1935
1936	---	130 ON JUL 25	49.8 B ON MAR 31	2 820 000	1936
1937	---	91.5 ON JUN 2	35.7 B ON DEC 31	1 860 000	1937
1938	---	51.3 ON APR 28	20.7 B ON DEC 31	1 140 000	1938
1939	---	39.9 ON MAY 22	18.0 B ON DEC 31	737 000	1939
1940	---	32.6 ON JUN 14	---	---	1940
1980	---	---	---	---	1980
1981	---	49.3 ON AUG 8	7.788 ON NOV 23	752 000	1981
1982	---	81.2 ON JUL 4	---	---	1982
				1 310 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

LETHBRIDGE NORTHERN IRRIGATION DISTRICT - MONARCH BRANCH CANAL - STATION NO 05AC011

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1932	---	---	---	0	0.787	0.939	5.82	2.42	0.835	1.12	0	---	1.91	1932
1934	---	---	---	0.082	4.75	1.42	4.39	3.52	0.843	1.04	0	---	2.03	1934
1935	---	---	---	0	0.820	5.33	5.06	2.72	2.01	3.11	0	---	2.84	1935
1936	---	---	---	0	0.993	4.37	7.85	2.00	1.93	1.17	0	---	2.30	1936
1937	---	---	---	0.200	2.20	1.95	---	2.85	1.90	1.18	0	---	---	1937
1938	---	---	---	0	0.849	4.31	7.88	1.69	1.52	1.57	0	---	2.21	1938
1939	---	---	---	0.123	3.28	0.840	4.80	4.03	1.79	1.88	0	---	2.06	1939
1940	---	---	---	0	0.942	5.75	5.36	2.88	0.950	0.875	0	---	2.08	1940
1941	---	---	---	0	2.24	3.33	5.94	2.42	0.783	0.794	0	---	1.95	1941
1942	---	---	---	0.629	0.895	0.041	0.363	2.00	0.520	0.528	0	---	0.589	1942
1943	---	---	---	0	0.758	4.86	7.41	4.27	1.72	2.82	0	---	2.75	1943
1944	---	---	---	0.650	3.30	2.50	5.72	3.44	2.18	1.62	0	---	2.30	1944
1945	---	---	---	0	0.558	0.988	5.02	5.16	1.34	0.945	0	---	1.72	1945
1946	---	---	---	0	2.93	0.802	4.88	3.91	1.89	0.832	0	---	1.87	1946
1947	---	---	---	0	0.880	0.529	6.19	2.97	1.04	1.38	0	---	1.58	1947
1948	---	---	---	0	0.008	0.252	3.56	2.77	2.40	1.95	0	---	1.38	1948
1949	---	---	---	0.188	1.86	2.14	6.95	3.63	2.82	2.08	0	---	2.44	1949
1950	---	---	---	0	0.499	5.04	5.04	3.84	3.35	1.33	0	---	2.39	1950
1951	---	---	---	0	0	0.123	0.821	2.81	0.034	0.486	0	---	0.539	1951
1952	---	---	---	0	0.298	1.08	1.81	2.32	1.16	1.18	0	---	0.987	1952
1953	---	---	---	0	0.426	0.071	2.70	4.41	1.78	1.37	0	---	1.36	1953
1954	---	---	---	0	0.831	3.80	6.89	3.16	0.511	0.941	0	---	1.83	1954
1955	---	---	---	0	0.278	1.17	0.712	4.84	2.42	0.756	0	---	1.28	1955
1956	---	---	---	0	0.502	2.35	1.45	2.58	1.01	0.894	0	---	1.17	1956
1957	---	---	---	0	1.61	1.83	5.70	3.55	2.56	0.935	0	---	2.04	1957
1958	---	---	---	0	1.19	2.44	2.58	3.61	2.47	2.18	0	---	1.82	1958
1959	---	---	---	0	0.593	1.97	3.60	3.27	1.48	0.941	0	---	1.49	1959
1960	---	---	---	0	0.858	2.70	7.93	3.21	2.77	2.75	0	---	2.52	1960
1961	---	---	---	0	2.25	7.80	6.76	4.04	3.07	1.24	0	---	3.17	1961
1962	---	---	---	0	2.29	3.68	5.25	3.68	1.84	3.18	0	---	2.51	1962
1963	---	---	---	0	4.07	3.39	0.194	3.74	1.95	2.78	0	---	1.90	1963
1964	---	---	---	0	0.843	2.58	5.48	4.48	1.82	2.68	0.873	---	2.38	1964
1965	---	---	---	0	0.323	1.27	0.824	2.54	0.874	0.898	0	---	0.845	1965
1966	---	---	---	0	0.761	0.732	0.825	1.65	1.77	1.25	0	---	0.875	1966
1967	---	---	---	0	0	0.179	4.51	3.91	2.77	2.60	0	---	1.76	1967
1968	---	---	---	0	1.20	2.86	3.67	2.03	0.535	0.346	0	---	1.34	1968
1969	---	---	---	0	0.992	1.13	0.712	2.28	1.66	0.784	0	---	0.947	1969
1970	---	---	---	0.103	1.47	2.02	4.03	3.19	1.55	1.60	0	---	1.76	1970
1971	---	---	---	0	0.882	2.17	5.04	3.42	1.34	1.09	0	---	1.76	1971
1972	---	---	---	0	0.300	2.96	2.57	3.03	1.05	0.953	0	---	1.38	1972
1973	---	---	---	0.106	4.38	4.38	9.85	5.28	1.93	2.54	0	---	3.59	1973
1976	---	---	---	---	---	5.49	8.90	2.07	1.85	---	---	---	---	1976
MEAN	---	---	---	0.050	1.28	2.50	4.51	3.20	1.85	1.47	0.021	---	1.83	MEAN

LOCATION - LAT 49 53 00 N, LONG 113 12 00 W REGULATED

DATA CONTRIBUTED BY - LETHBRIDGE NORTHERN IRRIGATION DISTRICT

LETHBRIDGE NORTHERN IRRIGATION DISTRICT - MONARCH BRANCH CANAL - STATION NO 05AC011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1932	---	8.81 ON JUL 22	0 ON APR 1 *	31 800	1932
1934	---	10.1 ON JUN 1	0 ON APR 1	42 800	1934
1935	---	11.3 ON JUN 28	0 ON APR 1	55 800	1935
1936	---	13.7 ON JUL 9 *	0 ON APR 1	48 500	1936
1937	---	---	---	---	1937
1938	---	11.2 ON JUN 22	0 ON APR 1	46 700	1938
1939	---	9.91 ON JUL 27	0 ON APR 1	43 400	1939
1940	---	10.8 ON JUN 21	0 ON APR 1	43 800	1940
1941	---	11.6 ON JUN 26	0 ON APR 1	41 200	1941
1942	---	4.79 ON AUG 21	0 ON APR 1	12 400	1942
1943	---	10.8 ON JUL 9	0 ON APR 1	57 900	1943
1944	---	9.06 ON JUL 30	0 ON APR 1	48 600	1944
1945	---	13.0 ON JUL 28	0 ON APR 1	38 200	1945
1946	---	9.32 ON JUL 27	0 ON APR 1	39 500	1946
1947	---	8.91 ON JUL 18	0 ON APR 1	33 300	1947
1948	---	5.94 ON JUL 23	0 ON APR 1	29 100	1948
1949	---	9.71 ON JUL 9	0 ON APR 1	51 500	1949
1950	---	8.92 ON JUN 21	0 ON APR 1	50 500	1950
1951	---	5.40 ON AUG 9	0 ON APR 1	11 400	1951
1952	---	7.08 ON AUG 5	0 ON APR 1	30 400	1952
1953	---	7.56 ON JUL 23	0 ON APR 1	28 600	1953
1954	---	9.48 ON JUN 26	0 ON APR 1	36 500	1954
1955	---	7.84 ON AUG 11	0 ON APR 1	27 000	1955
1956	---	8.10 ON JUN 14	0 ON APR 1	24 500	1956
1957	---	10.4 ON JUL 20	0 ON APR 1	43 000	1957
1958	---	5.97 ON AUG 8	0 ON APR 1	28 400	1958
1959	---	7.62 ON JUL 19	0 ON APR 1	31 400	1959
1960	---	10.7 ON JUL 18	0 ON APR 1	53 100	1960
1961	---	10.4 ON JUN 7	0 ON APR 1	66 700	1961
1962	---	8.53 ON JUL 24	0 ON APR 1	53 000	1962
1963	---	7.76 ON JUN 21	0 ON APR 1	40 100	1963
1964	---	8.13 ON JUL 17	0 ON APR 1	48 800	1964
1965	---	4.59 ON AUG 4	0 ON APR 1	17 800	1965
1966	---	4.23 ON AUG 4	0 ON APR 1	18 500	1966
1967	---	9.25 ON JUL 28	0 ON APR 1	37 200	1967
1968	---	5.18 ON JUL 28	0 ON APR 1	28 200	1968
1969	---	3.84 ON AUG 1	0 ON APR 1	20 000	1969
1970	---	6.67 ON JUL 21	0 ON APR 1	37 100	1970
1971	---	7.33 ON JUL 21	0 ON APR 1	37 000	1971
1972	---	4.39 ON JUN 10	0 ON APR 1	29 000	1972
1973	---	13.7 ON JUL 28	0 ON APR 1	74 700	1973
1976	---	11.2 ON JUL 20	---	---	1976
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		38 500	MEAN

LETHBRIDGE NORTHERN IRRIGATION DISTRICT - TURIN BRANCH CANAL - STATION NO. 05AC010

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1924	---	---	---	---	---	---	---	---	2.59	---	---	---	---	1924
1925	---	---	---	0	1.25	6.39	10.5	2.20	0.732	1.03	0	---	2.70	1925
1926	---	---	---	0.031	3.56	7.94	9.71	2.20	0.882	0.882	0	---	3.17	1926
1927	---	---	---	0.003	0.463	0.964	2.32	2.49	1.01	0.775	0	---	1.01	1927
1928	---	---	---	0	2.91	4.92	0.621	1.68	1.50	2.53	0	---	1.89	1928
1929	---	---	---	0	0.906	1.37	10.1	3.37	3.51	10.6	0	---	2.60	1929
1930	---	---	---	0	1.64	11.6	9.23	4.14	2.14	2.62	0	---	3.90	1930
1932	---	---	---	0	0.945	1.82	9.22	4.22	1.90	2.13	0	---	2.57	1932
1934	---	---	---	0.079	7.13	2.92	6.87	6.35	2.23	2.84	0	---	3.56	1934
1935	---	---	---	0	0.557	9.06	7.63	4.68	3.00	4.31	0	---	3.84	1935
1936	---	---	---	0	0.724	6.86	8.13	3.42	3.21	1.41	0.232	---	3.11	1936
1937	---	---	---	0	3.52	6.87	10.8	4.43	4.81	2.56	0	---	4.14	1937
1938	---	---	---	0	0.849	10.5	9.96	3.91	3.21	3.00	0	---	4.00	1938
1939	---	---	---	0	4.86	1.46	7.47	6.09	3.84	3.25	0	---	3.38	1939
1940	---	---	---	0	0.585	7.95	8.86	4.10	2.31	1.83	0	---	3.21	1940
1941	---	---	---	0.179	4.08	5.71	10.7	5.24	1.85	0	0	---	3.91	1941
1942	---	---	---	1.15	1.70	0.862	6.47	3.60	1.76	1.46	0	---	2.15	1942
1943	---	---	---	0	1.82	6.40	11.0	7.22	4.45	3.85	0	---	4.82	1943
1944	---	---	---	0	4.39	5.53	11.0	6.18	5.29	2.85	0	---	4.55	1944
1945	---	---	---	0	1.07	1.99	7.04	6.73	3.75	1.76	0	---	3.18	1945
1946	---	---	---	0	5.39	2.46	10.0	6.98	3.26	2.24	0	---	3.63	1946
1947	---	---	---	0	1.35	2.21	10.6	4.75	3.33	1.29	0	---	3.55	1947
1948	---	---	---	0	0.085	0.331	5.10	1.98	1.42	1.24	0	---	1.26	1948
1949	---	---	---	0.231	3.88	5.07	11.6	5.48	5.02	3.13	0	---	4.33	1949
1950	---	---	---	0	1.12	8.88	7.03	5.84	5.39	2.02	0	---	3.99	1950
1951	---	---	---	0	0.263	0.545	2.25	4.27	0.883	0.453	0	---	1.06	1951
1952	---	---	---	0	0.673	2.35	4.36	4.87	2.14	2.15	0	---	2.00	1952
1953	---	---	---	0	0.605	0.464	5.30	5.28	2.46	1.77	0	---	2.01	1953
1954	---	---	0	0	0.855	5.14	10.5	5.34	1.10	1.19	0	0.285	3.16	1954
1955	---	---	---	0	0.031	2.12	1.26	7.42	5.17	1.58	0	---	2.21	1955
1956	---	---	---	0	0.330	3.30	2.94	5.70	3.72	1.95	0	---	2.20	1956
1957	---	---	---	0	2.77	4.26	8.89	7.23	3.01	2.01	0	---	4.05	1957
1958	---	---	---	0	1.83	5.76	5.56	7.47	5.21	3.40	0	---	3.64	1958
1959	---	---	---	0	0.597	4.22	5.58	5.91	4.15	2.10	0	---	2.83	1959
1960	---	---	---	0	1.74	4.61	5.35	5.68	4.52	5.40	0	---	3.84	1960
1961	---	---	---	0	3.02	11.7	10.5	6.36	4.02	2.06	0	---	4.57	1961
1962	---	---	---	0	4.82	8.21	11.0	7.76	5.08	5.86	0	---	5.30	1962
1963	---	---	---	0	5.61	4.42	1.62	5.86	5.13	5.91	0	---	4.00	1963
1964	---	---	---	0	0.776	5.43	12.0	8.22	3.91	5.20	1.04	---	4.88	1964
1965	---	---	---	0	1.13	3.01	2.72	6.92	1.86	3.56	0.230	---	2.44	1965
1966	---	---	---	0	1.78	2.46	4.36	7.30	3.34	2.96	0	---	3.16	1966
1967	---	---	---	0	0	2.26	8.77	6.63	3.40	5.00	0	---	3.51	1967
1968	---	---	---	0	1.92	5.63	8.03	6.68	3.81	1.79	0.216	---	3.57	1968
1969	---	---	---	0	1.10	4.72	3.13	4.96	4.33	3.20	0	---	3.38	1969
1970	---	---	---	0.038	3.02	5.63	8.95	5.34	5.68	5.26	0.820	---	4.90	1970
1971	---	---	---	0	1.84	5.95	10.9	8.47	5.57	2.86	0	---	4.68	1971
1972	---	---	---	0	0.929	4.89	7.85	7.70	3.70	1.49	0	---	3.50	1972
1973	---	---	---	0	5.53	5.80	9.95	5.18	3.02	2.55	0	---	4.20	1973
MEAN	---	---	0	0.038	3.04	4.95	7.74	5.72	3.61	2.77	0.088	0.285	3.30	MEAN

LOCATION - LAT 49 57 00 N
LONG 112 57 00 W REGULATED

DATA CONTRIBUTED BY -
LETHBRIDGE NORTHERN IRRIGATION DISTRICT

LETHBRIDGE NORTHERN IRRIGATION DISTRICT - TURIN BRANCH CANAL - STATION NO 05AC010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1924	---	---	---	---	1924
1925	---	13.0 ON JUL 6	0 ON APR 1 *	58 800	1925
1926	---	15.5 ON JUN 13	0 ON APR 1	65 400	1926
1927	---	3.74 ON JUL 2	0 ON APR 1	21 200	1927
1928	---	15.2 ON JUN 5	0 ON APR 1	39 800	1928
1929	---	16.5 ON OCT 17	0 ON APR 1	76 000	1929
1930	---	18.5 ON JUN 19 *	0 ON APR 1	82 200	1930
1932	---	14.5 ON JUL 20	0 ON APR 1	54 100	1932
1934	---	14.5 ON MAY 30	0 ON APR 1	74 600	1934
1935	---	14.5 ON JUN 27	0 ON APR 1	75 800	1935
1936	---	15.6 ON JUL 3	0 ON APR 1	85 500	1936
1937	---	16.6 ON JUL 1	0 ON APR 1	87 500	1937
1938	---	17.3 ON JUN 21	0 ON APR 1	84 300	1938
1939	---	14.7 ON JUL 27	0 ON APR 1	71 300	1939
1940	---	13.4 ON JUN 27	0 ON APR 1	87 700	1940
1941	---	17.9 ON JUN 28	0 ON APR 1	74 000	1941
1942	---	12.9 ON JUL 24	0 ON APR 1	45 300	1942
1943	---	13.1 ON JUL 1	0 ON APR 1	97 400	1943
1944	---	14.3 ON JUL 21	0 ON APR 1	95 900	1944
1945	---	15.4 ON JUL 30	0 ON APR 1	87 200	1945
1946	---	15.0 ON JUL 25	0 ON APR 1	80 800	1946
1947	---	15.3 ON JUL 18	0 ON APR 1	82 300	1947
1948	---	11.2 ON JUL 14	0 ON APR 1	27 000	1948
1949	---	14.4 ON JUL 5	0 ON APR 1	91 400	1949
1950	---	13.2 ON JUN 16	0 ON APR 1	84 100	1950
1951	---	9.91 ON AUG 1	0 ON APR 1	22 400	1951
1952	---	9.85 ON JUL 15	0 ON APR 1	44 000	1952
1953	---	10.8 ON JUL 24	0 ON APR 1	42 300	1953
1954	---	14.4 ON JUN 26	0 ON APR 1	87 100	1954
1955	---	10.4 ON AUG 12	0 ON APR 1	48 500	1955
1956	---	8.01 ON JUN 14	0 ON APR 1	47 700	1956
1957	---	15.2 ON JUL 17	0 ON APR 1	85 400	1957
1958	---	9.84 ON AUG 11	0 ON APR 1	76 800	1958
1959	---	9.77 ON JUL 27	0 ON APR 1	59 500	1959
1960	---	11.7 ON JUL 22	0 ON APR 1	83 000	1960
1961	---	14.1 ON JUN 18	0 ON APR 1	105 000	1961
1962	---	11.8 ON JUL 26	0 ON APR 1	114 000	1962
1963	---	13.0 ON JUN 20	0 ON APR 1	86 100	1963
1964	---	15.4 ON JUL 16	0 ON APR 1	103 000	1964
1965	---	10.1 ON AUG 4	0 ON APR 1	51 500	1965
1966	---	10.7 ON AUG 4	0 ON APR 1	86 800	1966
1967	---	16.1 ON JUL 31	0 ON APR 1	82 400	1967
1968	---	11.3 ON JUL 17	0 ON APR 1	77 300	1968
1969	---	9.74 ON AUG 1	0 ON APR 1	71 200	1969
1970	---	13.1 ON JUL 23	0 ON APR 1	103 000	1970
1971	---	12.1 ON JUL 23	0 ON APR 1	94 400	1971
1972	---	9.74 ON JUL 19	0 ON APR 1	75 000	1972
1973	---	11.6 ON JUL 17	0 ON APR 1	90 500	1973
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		71 200	MEAN

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL ABOVE OLDMAN FLUME - STATION NO 05AB019

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	11.6	15.0	18.5	13.1	8.85	---	---	---	---	1978
1979	---	---	---	---	8.60	15.2	16.3	13.4	9.88	4.28	---	---	---	1979
1980	---	---	---	8.61	11.1	7.34	16.1	10.9	6.14	4.23	---	---	8.94	1980
1981	---	---	---	8.61	15.8	20.1	20.2	11.6	6.86	0.824	---	---	12.2	1981
MEAN	---	---	---	8.61	10.8	14.7	17.8	12.3	7.83	3.11	---	---	10.6	MEAN

LOCATION - LAT 49 41 10.0
LONG 113 34 20.0 W REGULATED

REMARKS - DATA PRIOR TO 1980 COLLECTED BY AGDE

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL ABOVE OLDMAN FLUME - STATION NO. 05AB019

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	---	19.5 ON JUL 10	08 ON OCT 21 *	---	1978
1979	---	17.0 ON JUN 18	0 ON MAY 1	---	1979
1980	---	17.4 ON MAY 17	0 ON APR 1	165 000	1980
1981	---	21.3 ON JUL 1 *	06 ON APR 1	225 000	1981
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		195 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL AT HEADGATES - STATION NO 05AB032

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1925	---	---	---	---	11.5	11.5	16.7	12.2	5.81	---	---	---	---	1925
1926	---	---	---	---	5.89	16.5	14.3	11.3	6.69	---	---	---	---	1926
1927	---	---	---	---	2.67	2.73	7.35	5.41	5.62	5.09	---	---	---	1927
1928	---	---	---	---	6.04	12.2	1.70	4.83	4.35	7.10	---	---	---	1928
1977	---	---	---	8.56	15.6	17.3	12.3	12.2	12.2	4.03	---	---	11.7	1977
1979	---	---	---	---	4.82	17.5	17.4	14.5	10.4	4.94	---	---	---	1979
1980	---	---	---	6.86	11.9	7.65	17.3	11.9	6.50	4.71	---	---	9.59	1980
MEAN	---	---	---	7.71	8.38	12.1	12.4	10.3	7.40	5.17	---	---	10.6	MEAN

LOCATION - LAT 49 40 00 N
LONG 113 38 00 W REGULATED

DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL AT HEADGATES - STATION NO 05AB032

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1925	---	---	---	---	1925
1926	---	---	---	---	1926
1927	---	---	---	---	1927
1928	---	---	---	---	1928
1977	---	18.0B ON JUN 8	0 ON APR 1 *	217 000	1977
1979	---	18.8 ON JUN 18 *	0 ON MAY 1	---	1979
1980	---	18.1 ON MAY 20	0 ON APR 1	177 000	1980
				197 000	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD
B - REVISED SINCE JAN 1 1986

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL AT INLET TO KENO LAKE - STATION NO 05AC009

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1925	---	---	---	0.249	7.59	7.31	4.28	7.08	3.38	0.232	0	---	4.96	1925
1926	---	---	---	0.315	2.06	7.16	5.84	5.34	4.42	0.683	0	---	4.22	1926
1927	---	---	---	0.142	1.30	0.838	3.26	2.48	3.18	1.17	0	---	2.00	1927
1928	---	---	---	0	1.48	7.83	1.14	1.88	1.87	5.32	0	---	3.19	1928
1929	---	---	---	0	2.00	1.80	3.46	8.74	5.06	2.18	0.117	---	3.70	1929
1930	---	---	---	3.88	9.49	7.26	10.8	9.72	8.91	1.08	0	---	7.51	1930
MEAN	---	---	---	0.765	3.99	5.32	4.80	5.50	4.27	1.74	0.020	---	4.26	MEAN

LOCATION - LAT 49 55 20 N
LONG 113 09 40 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1930

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL AT INLET TO KENO LAKE - STATION NO 05AC009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1925	---	14.6 ON JUN 13	0 ON JUN 29 *	75 800	1925
1926	---	13.9 ON JUN 18	0 ON OCT 19	67 100	1926
1927	---	8.52 ON JUL 17	0 ON OCT 22	31 800	1927
1928	---	14.6 ON JUN 18	0 ON MAY 1	50 700	1928
1929	---	10.0 ON AUG 7	0.159A ON MAY 3	58 900	1929
1930	---	15.0 ON MAY 4 *	0 B ON OCT 27	119 000	1930
				67 700	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL AT MENZIAGHES BRIDGE - STATION NO 05AB016

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1925	---	---	---	0 883	8 93	9 33	13 8	9 82	4 12	0 932	0	---	6 70	1925
1926	---	---	---	0 836	4 62	13 1	12 3	9 13	5 40	1 51	0	---	5 86	1926
1927	---	---	---	0 432	1 58	1 74	5 53	4 14	4 35	4 08	0 004	---	3 13	1927
1928	---	---	---	0	4 53	10 4	1 24	3 83	2 95	6 06	0	---	4 10	1928
1929	---	---	---	0 024	2 88	4 39	9 56	10 1	8 42	7 85	0 045	---	5 15	1929
1930	---	---	---	4 54	10 7	14 8	18 4	12 4	7 97	2 74	0	---	10 2	1930
1932	---	---	---	0	8 61	2 51	12 4	12 6	5 14	3 39	0	---	6 47	1932
1933	---	---	---	0 591	3 47	14 5	15 3	14 4	5 27	3 40	0	---	8 17	1933
1934	---	---	---	0 791	14 1	6 59	7 11	11 2	8 00	3 30	0	---	7 33	1934
1935	---	---	---	0	4 54	10 5	17 8	11 8	6 41	4 73	0	---	8 01	1935
1936	---	---	---	0	8 83	11 2	14 2	7 58	6 67	5 12	0	---	7 47	1936
1937	---	---	---	0	17 8	15 4	16 1	13 5	8 49	5 67	0	---	11 1	1937
1938	---	---	---	0	7 27	12 8	15 1	9 39	5 93	4 82	0	---	7 83	1938
1939	---	---	---	0 709	16 7	8 41	9 38	11 7	10 0	4 82	0	---	8 45	1939
1940	---	---	---	0	10 5	15 2	15 1	11 5	7 99	2 82	0	---	9 05	1940
1941	---	---	---	0 240	13 3	7 82	16 1	7 88	5 38	2 76	0	---	7 51	1941
1942	---	---	---	4 75	7 82	0 330	1 78	6 85	2 45	3 94	0	---	3 80	1942
1943	---	---	---	0	10 2	12 0	17 0	11 8	5 77	5 85	0 133	---	9 08	1943
1944	---	---	---	5 13	32 6	11 1	13 9	7 74	6 76	2 87	0	---	9 77	1944
1945	---	---	---	4 22	11 4	6 32	7 49	11 8	9 30	3 54	0	---	7 43	1945
1946	---	---	---	0	13 1	7 01	11 1	13 8	6 18	2 83	0	---	7 75	1946
1947	---	---	---	0	4 43	2 76	14 3	11 4	3 52	3 33	0	---	5 58	1947
1948	---	---	---	0	5 43	4 14	8 87	8 39	10 5	7 91	0	---	5 55	1948
1949	---	---	---	1 84	10 9	7 17	15 1	8 32	8 31	6 22	0 388	---	8 32	1949
1950	---	---	---	0 803	14 3	14 4	13 0	12 3	9 05	8 30	0	---	10 0	1950
1951	---	---	---	0	3 46	3 91	2 14	6 74	3 14	2 42	0	---	3 10	1951
1952	---	---	---	0	6 25	4 52	4 26	6 50	3 81	3 15	0	---	4 09	1952
1953	---	---	---	0	8 73	1 80	4 17	10 3	8 54	6 40	0	---	5 17	1953
1954	---	---	0	0	4 34	12 1	11 8	9 21	2 08	1 46	0	---	6 00	1954
1955	---	---	---	0 312	2 87	7 73	3 52	7 91	8 13	2 73	0	---	4 45	1955
1956	---	---	---	0	5 03	11 7	3 50	6 92	3 46	2 72	0	---	4 48	1956
1957	---	---	---	0	10 5	8 28	10 9	10 4	7 94	4 13	0	---	7 52	1957
1958	---	---	---	0	8 38	9 12	6 61	8 35	5 47	4 84	0	---	5 79	1958
1959	---	---	---	0 084	8 03	9 13	7 80	9 13	3 47	2 36	0	---	5 86	1959
1960	---	---	---	0	5 54	9 04	13 5	11 7	7 81	5 72	0	---	7 76	1960
1961	---	---	---	5 76	7 50	15 7	16 4	11 9	9 52	8 47	0	---	10 9	1961
1962	---	---	---	0 522	7 09	13 4	14 3	10 8	8 39	7 49	2 05	---	8 84	1962
1963	---	---	---	7 38	9 86	12 9	2 16	7 23	8 20	5 32	0	---	7 58	1963
1964	---	---	---	0	5 24	14 1	13 2	12 6	11 4	7 20	2 25	---	9 11	1964
1965	---	---	---	0	6 76	4 43	3 04	10 0	3 32	2 38	0	---	4 28	1965
1966	---	---	---	0	2 78	3 55	3 07	6 29	3 30	2 85	0	---	2 84	1966
1967	---	---	---	0	0 671	3 65	12 8	15 4	8 88	4 86	0	---	5 97	1967
1968	---	---	---	2 05	11 8	12 0	12 9	10 9	3 18	1 90	0	---	7 85	1968
1969	---	---	---	0	3 80	11 7	3 12	12 9	8 69	3 32	0	---	8 21	1969
1970	---	---	---	1 31	12 7	8 87	12 5	10 3	5 94	3 88	0	---	7 92	1970
1971	---	---	---	8 82	14 7	9 86	14 1	13 1	6 86	3 79	0	---	10 0	1971
1972	---	---	---	0	6 06	13 7	14 4	12 6	5 02	2 55	0	---	7 77	1972
1973	---	---	---	8 41	13 8	14 3	15 4	11 6	9 08	7 86	0 211	---	11 5	1973
1974	---	---	---	1 32	11 0	9 11	15 3	14 3	14 4	7 76	0	---	10 8	1974
1975	---	---	---	0	4 44	7 28	10 2	14 2	9 10	4 14	0	---	7 07	1975
1976	---	---	---	3 35	11 5	15 3	15 8	13 1	8 55	6 61	0	---	10 3	1976
1977	---	---	0	8 30	15 3	14 7	12 0	11 9	11 2	3 76	0	---	11 3	1977
1978	---	---	---	0	0	10 9	14 0	10 5	2 80	2 01	0	---	5 73	1978
1979	---	---	---	0	4 90	16 4	16 3	13 5	9 35	4 25	0	---	9 25	1979
1980	---	---	---	6 37	10 9	7 47	16 1	11 0	5 32	4 85	0	---	5 00	1980
1981	---	---	---	5 94	7 87	7 47	15 6	10 9	8 31	6 04	0	---	8 87	1981
1982	---	---	---	1 89	11 3	13 6	15 4	14 6	9 86	0 003	0	---	9 52	1982
1983	---	---	---	5 90	10 9	15 7	15 5	13 2	7 74	0 384	0	---	10 1	1983
1984	---	---	---	8 76	18 8	16 9	16 3	10 4	8 92	0 804	0	---	11 9	1984
1985	---	---	---	9 29	15 2	16 8	16 6	13 7	9 91	2 29	---	---	12 3	1985
MEAN	---	---	0	1 84	8 77	9 82	11 5	10 0	6 81	4 05	0 085	---	7 85	MEAN

LOCATION - LAT 49 43 39 N
LONG 113 33 00 W REGULATED

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL AT MENZAGHIES BRIDGE - STATION NO 05AB010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1925	---	15.8 ON JUL 21	0 ON APR 1 *	126 000	1925
1926	---	17.6 ON JUN 17	0 ON APR 1	123 000	1926
1927	---	9.86 ON JUL 16	0 ON APR 1	98 000	1927
1928	---	16.8 ON JUN 6	0 ON APR 1	95 800	1928
1929	---	15.7 ON AUG 4	0 ON APR 1	114 000	1929
1930	---	15.3 ON JUL 8	0E ON APR 1	169 000	1930
1932	---	17.9 ON JUL 28	0 ON APR 1	120 000	1932
1933	---	17.6 ON JUN 28	0E ON APR 1	151 000	1933
1934	---	22.9 ON MAY 27	0E ON APR 1	135 000	1934
1935	---	21.3 ON JUL 16	0 ON APR 1	148 000	1935
1936	---	19.3 ON JUL 3	0 ON APR 1	142 000	1936
1937	---	20.5 ON JUL 5	0E ON APR 1	204 000	1937
1938	---	18.7 ON JUL 23	0E ON APR 1	145 000	1938
1939	---	19.3 ON MAY 30	0E ON APR 1	164 000	1939
1940	---	17.3 ON JUN 25	0 ON APR 1	157 000	1940
1941	---	19.1 ON MAY 13	0 ON APR 1	139 000	1941
1942	---	19.9 ON MAY 9	0 ON APR 1	70 300	1942
1943	---	18.4 ON JUL 25	0 ON APR 1	148 000	1943
1944	---	23.5 ON MAY 15 *	0E ON APR 1	161 000	1944
1945	---	18.8 ON MAY 5	0 ON APR 1	137 000	1945
1946	---	19.0 ON JUN 6	0 ON APR 1	143 000	1946
1947	---	19.4 ON JUL 25	0 ON APR 1	103 000	1947
1948	---	18.4 ON JUL 27	0 ON APR 1	121 000	1948
1949	---	19.2 ON MAY 8	0 ON APR 1	154 000	1949
1950	---	18.5 ON JUN 19	0 ON APR 1	158 000	1950
1951	---	10.7 ON AUG 11	0 ON APR 1	57 200	1951
1952	---	12.8 ON MAY 16	0 ON APR 1	75 500	1952
1953	---	11.9 ON SEP 9	0 ON APR 1	85 500	1953
1954	---	15.1 ON JUN 28	0 ON APR 1	111 000	1954
1955	---	10.1 ON JUN 23	0 ON APR 1	82 300	1955
1956	---	14.8 ON JUN 14	0 ON APR 1	82 500	1956
1957	---	15.2 ON JUN 9	0 ON APR 1	141 000	1957
1958	---	15.9 ON JUN 7	0 ON APR 1	107 000	1958
1959	---	15.3 ON JUN 28	0 ON APR 1	109 000	1959
1960	---	14.4 ON JUL 3	0 ON APR 1	143 000	1960
1961	---	17.8 ON JUL 28	0 ON APR 1	202 000	1961
1962	---	15.7 ON JUN 10	0 ON APR 1	135 000	1962
1963	---	15.7 ON JUN 13	0 ON APR 1	140 000	1963
1964	---	15.4 ON JUN 25	0 ON APR 1	153 000	1964
1965	---	13.8 ON AUG 5	0 ON APR 1	79 200	1965
1966	---	9.15 ON AUG 5	0 ON APR 1	52 500	1966
1967	---	10.8 ON AUG 5	0 ON APR 1	121 000	1967
1968	---	17.9 ON AUG 15	0 ON APR 1	141 000	1968
1969	---	15.7 ON JUN 18	0 ON APR 1	115 000	1969
1970	---	18.8 ON JUL 22	0 ON APR 1	148 000	1970
1971	---	18.3 ON APR 28	0 ON APR 1	135 000	1971
1972	---	18.0 ON JUN 24	0 ON APR 1	144 000	1972
1973	---	18.1 ON JUL 22	0 ON APR 1	212 000	1973
1974	---	18.7 ON AUG 12	0 ON APR 1	139 000	1974
1975	---	15.8 ON AUG 15	0E ON APR 1	131 000	1975
1976	---	18.9 ON JUL 1	0 ON APR 1	181 000	1976
1977	---	17.8 ON JUN 18	0 ON APR 1	200 000	1977
1978	---	15.2 ON JUL 28	0 ON APR 1	108 000	1978
1979	---	17.1 ON JUN 25	0 ON APR 1	171 000	1979
1980	---	18.8 ON JUN 27	0E ON APR 1	158 000	1980
1981	---	16.4 ON AUG 1	0 ON APR 1	154 000	1981
1982	---	17.6 ON AUG 11	0 ON APR 1	176 000	1982
1983	---	17.0 ON JUL 15	0 ON APR 1	154 000	1983
1984	---	19.5 ON JUL 10	0 ON APR 1	219 000	1984
1985	---	20.6 ON APR 25	0 ON APR 1	227 000	1985
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		141 000	MEAN

E - ESTIMATED

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL AT SYPHON SPILLWAY - STATION NO 05AB015

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1924	---	---	---	---	9.97	12.6	18.7	20.2	6.56	---	---	---	---	1924
1926	---	---	---	---	5.81	10.1	16.2	11.0	6.50	2.10	---	---	---	1926
1927	---	---	---	---	2.52	2.56	6.78	6.25	5.47	5.04	---	---	---	1927
1928	---	---	---	---	5.76	11.8	1.80	6.66	4.12	2.15	---	---	---	1928
1929	---	---	---	---	3.72	6.12	11.6	11.7	6.93	6.93	---	---	---	1929
1930	---	---	---	---	12.2	16.8	20.8	18.6	6.87	---	---	---	---	1930
1932	---	---	---	---	6.85	2.19	13.0	13.7	5.87	---	---	---	---	1932
MEAN	---	---	---	---	6.95	8.45	12.1	11.6	6.89	5.82	---	---	---	MEAN

LOCATION - LAT 49 40 50 N
LONG 113 36 50 W REGULATED

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL AT SYPHON SPILLWAY - STATION NO 05AB018

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1924	---	21 5 ON AUG 19 *	---	---	1924
1926	---	20 4 ON JUN 15	---	---	1926
1927	---	11 1 ON JUL 16	---	---	1927
1928	---	19 7 ON JUN 6	---	---	1928
1929	---	18 0 ON AUG 4	---	---	1929
1930	---	21 5 ON JUN 19	---	---	1930
1932	---	18 6 ON JUL 22	---	---	1932
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL BELOW KEHO OUTFLOW - STATION NO 05AC026

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1977	---	---	---	---	5 14	14 1	---	4 45	5 04	---	---	---	---	1977
1978	---	---	---	---	---	2 85	11 9	5 34	2 54	1 42	---	---	---	1978
1979	---	---	---	---	0 357	9 48	14 7	5 10	3 78	2 30	---	---	5 85	1979
1980	---	---	---	---	3 74	4 45	11 6	4 37	4 55	2 93	---	---	5 29	1980
1981	---	---	---	---	3 05	4 51	11 5	5 58	5 95	2 93	---	---	5 58	1981
1982	---	---	---	---	1 53	8 40	8 12	7 74	5 85	0 841	---	---	5 35	1982
1983	---	---	---	---	2 40	15 4	8 02	7 30	5 53	0 498	---	---	6 49	1983
1984	---	---	---	---	5 28	14 0	9 86	5 37	3 14	1 40	---	---	6 62	1984
1985	---	---	---	---	2 19	15 1	13 1	2 85	1 00	0 284	---	---	5 90	1985
1986	---	---	---	---	0 889	15 5	12 5	5 05	2 53	0 575	---	---	6 50	1986
MEAN	---	---	---	---	2 74	10 6	11 2	5 53	4 09	1 44	---	---	5 95	MEAN

LOCATION - LAT 49 57 00 N
LONG 112 56 15 W REGULATED

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL BELOW KEHO OUTFLOW - STATION NO 05AC026

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1977	---	---	---	---	1977
1978	---	14 4 ON JUL 17	0 ON JUN 1 *	---	1978
1979	---	17 5 ON JUL 20	0 ON MAY 1	94 800	1979
1980	---	16 2 ON JUL 9	0 ON MAY 1	83 900	1980
1981	---	16 2 ON JUL 7	0 ON MAY 1	88 600	1981
1982	---	15 6 ON JUN 28	0 ON MAY 1	85 300	1982
1983	---	17 2 ON JUN 17	0 ON MAY 1	103 000	1983
1984	18 2 AT 10 10 MST ON JUL 7 *	17 9 ON JUL 8	0 ON MAY 1	105 000	1984
1985	---	21 3 ON JUL 6	0 ON MAY 1	93 700	1985
1986	---	22 5 ON JUN 28 *	0 ON MAY 1	103 000	1986
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		94 800	MEAN

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL BELOW MONARCH HEADGATES - STATION NO 05AC029

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1977	---	---	---	7 42	9 38	6 10	3 37	8 57	5 12	2 09	---	---	6 57	1977
1978	---	---	---	---	---	9 56	7 87	7 40	0 833	0 710	---	---	---	1978
1979	---	---	---	---	3 47	7 87	5 43	10 1	6 06	3 17	---	---	---	1979
1980	---	---	---	5 48	6 79	2 53	5 16	7 15	3 86	2 50	---	---	4 75	1980
1981	---	---	---	4 95	6 47	4 60	7 29	6 99	4 07	3 89	---	---	5 44	1981
1982	---	---	---	1 18	9 92	6 91	5 56	6 79	5 84	0 [illegible]	---	---	5 15	1982
1983	---	---	---	4 73	7 80	3 58	7 54	6 86	4 74	0 75	---	---	5 11	1983
1984	---	---	---	7 33	11 1	7 38	8 31	7 32	6 02	0 ---	---	---	7 06	1984
MEAN	---	---	---	5 18	7 85	6 04	6 32	7 82	5 52	1 80	---	---	5 88	MEAN

LOCATION - LAT 49 54 00 N
LONG 113 11 00 W REGULATED

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL BELOW MONARCH HEADGATES - STATION NO 05AC029

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1977	---	17.5 ON MAY 1	0 ON APR 1 *	121 000	1977
1978	---	13.5 ON JUN 16	0 ON JUN 1	---	1978
1979	---	15.1 ON AUG 1	0 ON MAY 1	---	1979
1980	---				
1981	14.9 AT 10 56 MST ON APR 30 *	14.8 ON APR 29	0 ON APR 1	88 000	1980
1982	---	14.7 ON APR 30	0 ON APR 1	100 000	1981
1983	---	13.8 ON MAY 14	0 ON APR 1	95 300	1982
1984	---	15.6 ON JUL 16	0 ON APR 1	94 500	1983
		17.7 ON APR 26 *	0 ON APR 1	131 000	1984
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		105 000	MEAN

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL BELOW OLDMAN FLUME - STATION NO 05AB020

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1925	---	---	---	---	9.04	9.20	14.0	9.87	4.35	---	---	---	---	1925
1926	---	---	---	---	4.88	13.3	12.3	9.49	5.55	---	---	---	---	1926
1927	---	---	---	---	1.88	2.00	5.81	4.40	4.55	4.22	---	---	---	1927
1928	---	---	---	---	---	10.7	1.38	4.04	3.42	---	---	---	---	1928
1929	---	---	---	---	2.95	4.58	9.97	10.3	8.71	8.01	---	---	---	1929
1930	---	---	---	---	10.9	14.8	18.4	12.7	8.45	---	---	---	---	1930
1932	---	---	---	---	8.85	2.56	12.3	13.4	5.89	---	---	---	---	1932
MEAN	---	---	---	---	5.42	8.16	10.6	8.17	5.82	8.12	---	---	---	MEAN

LOCATION - LAT 49 41 55 N
LONG 113 33 42 W REGULATED

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL BELOW OLDMAN FLUME - STATION NO 05AB020

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1925	---	15.1 ON JUL 23	---	---	1925
1926	---	17.9 ON JUN 15	---	---	1926
1927	---	5.49 ON JUL 16	---	---	1927
1928	---	17.5 ON JUN 6	---	---	1928
1929	---	15.1 ON AUG 4	---	---	1929
1930	---	19.5 ON JUL 10 *	0B ON OCT 21 *	---	1930
1932	---	17.1 ON JUL 23	---	---	1932
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL NEAR WILLOW CREEK FLUME - STATION NO 05AB031

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1924	---	---	---	---	6.24	9.18	12.6	15.6	4.57	---	---	---	---	1924
1925	---	---	---	---	8.91	8.22	13.7	9.53	4.06	---	---	---	---	1925
1926	---	---	---	---	4.17	12.1	11.5	8.73	5.29	---	---	---	---	1926
MEAN	---	---	---	---	5.44	10.2	12.6	11.4	4.64	---	---	---	---	MEAN

LOCATION - LAT 49 47 10 N
LONG 113 31 00 W REGULATED

LETHBRIDGE NORTHERN IRRIGATION DISTRICT MUD LAKE CANAL NEAR MACLEOD - STATION NO 05AB017

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1924	---	---	---	---	---	0.077	0.089	0.015	0.075	0.048	---	---	---	1924
1925	---	---	---	---	0.014	0	0.093	---	---	---	---	---	---	1925
1926	---	---	---	---	---	---	0.039	0.083	0	0.013	---	---	---	1926
MEAN	---	---	---	---	0.014	0.038	0.084	0.039	0.038	0.030	---	---	---	MEAN

LOCATION - LAT 49 44 00 N
LONG 113 32 44 W REGULATED

LETHBRIDGE NORTHERN IRRIGATION DISTRICT MUD LAKE CANAL NEAR MACLEOD - STATION NO 05AB017

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1924	---	0 193 ON SEP 6	0 ON JUN 1 *	---	1924
1925	---	0 229 ON JUL 8 *	0 ON MAY 1	---	1925
1926	---	---	0 ON JAN 1	---	1926
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

LINDSAY COULEE NEAR ONEFOUR POST OFFICE - STATION NO 11AA023

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1925	---	---	0 083	0 085	---	---	---	0	0 014	0 019	---	---	---	1925
1926	---	0 002	0 045	---	---	---	---	---	---	---	---	---	---	1926
1927	---	---	0 043	0 061	0 247	0 001	0 124	0 033	0 002	0	---	---	---	1927
1928	0 196	0	0 348	0 012	0	0	---	---	---	---	---	---	---	1928
1929	---	---	0 001	0 002	0	---	---	---	---	---	---	---	---	1929
MEAN	0 196	0 001	0 104	0 040	0 082	0 001	0 124	0 017	0 008	0 010	---	---	---	MEAN

LOCATION - LAT 49 03 50 N
LONG 110 25 20 W
DRAINAGE AREA 26 9 km^2
NATURAL FLOW

LINDSAY COULEE NEAR ONEFOUR POST OFFICE - STATION NO 11AA023

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1925	---	0 903 ON APR 23	0 ON MAR 1 *	---	1925
1926	---	0 5248 ON MAR 1	0B ON FEB 1	---	1926
1927	---	1 78 ON MAY 23 *	0B ON MAR 1	---	1927
1928	---	1 56 ON JAN 12	0B ON JAN 1	---	1928
1929	---	---	0B ON MAR 1	---	1929
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

LITTLE BERLAND RIVER AT HIGHWAY NO 40 - STATION NO 07AC008

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1986	---	---	0 135	0 234	1 55	2 57	3 91	1 52	0 818	1 49	---	---	1 53	1986
MEAN	---	---	0 135	0 234	1 55	2 57	3 91	1 52	0 818	1 49	---	---	1 53	MEAN

LOCATION - LAT 53 40 43 N
LONG 118 14 19 W
NATURAL FLOW

LITTLE BERLAND RIVER AT HIGHWAY NO 40 - STATION NO 07AC008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1986	14 8 AT 08 14 MST ON JUL 18 *	14 0 ON JUL 18 *	0 0308 ON MAR 5 *	32 600	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		32 600	MEAN

LITTLE BOW CANAL AT HIGH RIVER - STATION NO. 05BL015

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	---	---	0.546	1.19	0.878	---	---	---	1910
1911	---	---	---	0.577	1.08	0.798	0.277	0.262	0.270	0.184	---	---	---	1911
1912	---	---	---	0.449	0.895	0.849	0.200	0.003	0.557	1.91	1.95	---	---	1912
1913	0.839	1.03	1.36	1.31	1.06	1.42	0.831	0.751	0.811	0.685	0.536	0.611	0.934	1913
1914	0.352	0.412	0.486	0.488	0.762	0.813	0.860	0.428	0.305	0.286	0.326	0.251	0.463	1914
1915	0.215	0.182	0.177	0.185	0.944	1.90	0.598	0.262	0.095	0.081	0.221	0.082	0.410	1915
1916	0.020	0.380	0.354	0.328	1.20	2.82	0.256	0	0	0	0	0	0.452	1916
1917	0	0	0	0	0	0.148	0.005	0	0	0	0	0	0.012	1917
1918	0	0	0	0	0	0	0.060	0.368	0.218	0.140	0.042	0.013	0.071	1918
1919	0.004	0.005	0	0.009	0.273	0.135	0.188	0.409	0.159	0.113	0.089	0.027	0.118	1919
1920	0.015	0.006	0.002	0.022	0.177	0.813	0.407	0.027	0.039	0.204	0.088	0.067	0.138	1920
1921	0.036	0.044	0.045	0.038	0.271	0.327	0.496	0.349	0.148	0.222	0.084	0.059	0.178	1921
1922	0.020	0.008	0.018	0.016	0.347	0.488	0.060	0.049	0.030	0.066	0.020	0.001	0.088	1922
1923	0	0	0	0.050	0.201	---	---	---	---	0.269	0.752	0.418	---	1923
1924	0.080	0.035	0.051	0.097	0.322	0.785	0.770	1.40	0.810	0.798	0.819	0.432	0.518	1924
1925	0.217	0.284	0.280	0.072	0.205	0.883	1.24	1.50	1.40	1.17	0.803	0.674	0.728	1925
1926	0.184	0.091	0.085	0.318	0.782	0.771	0.700	0.592	1.21	0.944	0.370	0.343	0.535	1926
1927	0.282	0.159	0.076	0.078	0.059	0.060	0.043	0.312	0.183	0.121	0.052	0.043	0.119	1927
1928	0.038	0.028	0.041	0.006	0.143	0.147	0.050	0.029	0.028	0.003	0.002	0.001	0.043	1928
1929	0.001	0	0.002	0.003	0.010	2.88	0.033	0.229	0.155	0.094	0.109	0.082	0.306	1929
1930	0.052	0.172	0.083	0.104	0.197	0.125	0.265	0.170	0.152	0.127	0.150	0.137	0.144	1930
1931	0.087	0.027	0.033	0.024	---	---	---	---	---	---	---	---	---	1931
1933	---	---	---	---	---	---	0.852	1.02	0.745	---	---	---	---	1933
1935	---	---	---	0.058	0.038	0.292	0.496	0.602	0.638	0.582	---	---	---	1935
1936	---	---	---	0.010	---	---	---	---	---	---	---	---	---	1936
1938	---	---	---	0.185	0.340	0.282	0.410	0.444	0.488	0.581	---	---	---	1938
1939	---	---	0.006	0.313	0.624	0.343	0.431	0.507	0.885	0.616	---	---	---	1939
1940	---	---	---	0	0.118	0.575	0.496	0.439	0.383	0.326	---	---	---	1940
1941	---	---	---	0.291	0.806	0.629	0.616	0.597	0.362	0.329	---	---	---	1941
1942	---	---	---	0.020	0	---	---	---	---	---	---	---	---	1942
1943	---	---	---	0	0.010	0.026	0.540	0.381	0.286	0.229	---	---	---	1943
1944	---	---	---	0	0.126	0.201	0.355	0.401	0.387	0.303	---	---	---	1944
1945	---	---	0	0	0	0	0.119	0.181	0.349	0.038	---	---	---	1945
1946	---	---	0	0.023	0.023	0.023	0.490	0.866	0.355	0.273	---	---	---	1946
1947	---	---	---	0	0	0	0.054	0.271	0.157	0	---	---	---	1947
1948	---	---	---	0	0	0	0.017	0.489	0.447	0.321	---	---	---	1948
1949	---	---	---	0	0.209	0.248	0.679	1.22	1.21	1.18	0.202	---	---	1949
1950	---	---	---	0	0.012	0.841	1.35	1.08	0.851	1.13	0	---	---	1950
1951	---	---	0	0.048	0.071	0.082	0.525	0.712	0.241	0.228	0	---	---	1951
1952	---	---	0	0	0	0.026	0.385	0.330	0.232	0.174	0.018	---	---	1952
1953	---	---	0	0	0.014	0.017	0.104	0.265	0.617	0.386	0.223	---	---	1953
1954	---	---	0	0	0.023	0.013	0.480	0.273	0.189	0.122	---	---	---	1954
1955	---	---	0	0.027	0.022	0.015	0.023	0.227	0.226	0.148	0	---	---	1955
1956	---	---	0	0	0.028	0.091	0.263	0.285	0.178	0.151	0	---	---	1956
1957	---	---	0	0	0.017	0.017	0.131	0.164	0.116	0.094	0	---	---	1957
1958	---	---	0	0.001	0.006	0.008	0.142	0.282	0.282	0.190	0.095	---	---	1958
1959	---	---	0	0.003	0.006	0.008	0.222	0.240	0.002	0	0	---	---	1959
1960	---	---	0	0	0.003	0.006	0.293	0.435	0.326	0.262	---	---	---	1960
1961	---	---	0	0.035	0.063	0.180	0.851	0.318	0.144	0.291	0.102	---	---	1961
1962	---	---	0.007	0.005	0.219	0.211	0.477	0.361	0.319	0.084	---	---	---	1962
1963	---	---	0.001	0.046	0.343	0.853	0.372	0.271	0.155	0.087	---	---	---	1963
1964	---	---	0	0.001	0.018	0.081	0.541	0.142	0.218	0.253	0.157	---	---	1964
1965	---	---	0	0	0.012	0.137	0.821	0.348	0.478	0.600	0.085	---	---	1965
1966	---	---	0	0.021	0.067	0.054	0.595	0.188	0.026	0.008	0	---	---	1966
1967	---	---	---	---	---	---	0.118	0.772	0.598	0.576	---	---	---	1967
1968	---	---	---	0.011	0.011	0.197	0.700	0.342	0.005	0.021	---	---	---	1968
1969	---	---	---	---	0.044	0.473	0.417	0.343	0.480	0.953	0.389	---	---	1969
1970	---	---	---	---	0.017	0.181	0.809	0.529	0.803	0.813	---	---	---	1970
1971	---	---	---	---	0.003	1.05	0.980	0.626	0.184	0.094	0.057	---	---	1971
1972	---	---	---	---	0.010	0.007	1.06	0.873	0.780	0.288	0.235	0.343	---	1972
1973	0.304	0.329	0.280	0.180	0.407	0.824	0.591	0.454	0.300	0.181	0.112	0.144	0.325	1973
1974	0.189	0.154	0.130	0.336	0.371	0.232	0.881	0.858	0.898	0.443	0.318	0.400	0.384	1974
1975	0.405	0.311	0.274	0.091	0.277	0.529	0.508	1.27	0.866	0.679	0.884	0.684	0.584	1975
1976	0.415	0.358	0.311	0.327	0.608	0.941	1.31	1.28	1.35	0.880	0.650	0.300	0.728	1976
1977	0.326	0.458	0.618	0.670	0.860	0.924	0.543	1.76	0.899	0.790	0.520	0.202	0.724	1977
1978	0.178	0.197	0.278	0.228	0.078	0.097	0.430	0.193	0.098	0.071	0.007	0.020	0.156	1978
1979	0.027	0.024	0.057	0.079	1.18	1.45	1.53	1.50	1.08	0.887	0.701	0.412	0.749	1979
1980	0.343	0.295	0.280	0.184	1.78	1.35	1.17	0.903	0.790	0.955	0.291	0.388	0.733	1980
1981	0.433	0.321	0.440	0.487	0.727	1.83	1.90	1.82	1.39	1.29	0.626	0.206	0.852	1981
1982	0.189	0.138	0.099	0.085	0.597	1.93	1.85	1.48	1.07	0.847	0.384	0.271	0.730	1982
1983	0.227	0.251	0.191	0.139	1.40	1.83	1.63	1.19	0.880	0.500	0.506	0.303	0.749	1983
1984	0.385	0.343	0.534	0.578	1.49	2.26	2.39	1.41	0.820	0.537	0.454	0.379	0.949	1984
1985	0.407	0.405	0.445	0.512	1.71	2.80	2.41	1.01	0.783	0.713	0.561	0.441	1.00	1985
1986	0.587	0.595	0.841	0.809	1.29	2.32	2.70	1.63	0.787	0.535	0.528	0.308	1.03	1986
MEAN	0.204	0.213	0.185	0.147	0.361	0.820	0.830	0.585	0.473	0.417	0.285	0.250	0.486	MEAN

LOCATION - LAT 50 34 59 N
LONG 113 52 18 W REGULATED SINCE 1910

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	---	---		1910
1911	---	2.70 ON MAY 16	0 ON JUN 9 *	---	1911
1912	---	3.74 ON JUN 16	0 ON JUN 26	---	1912
1913	---	2.07 ON APR 7	0.348 ON NOV 22	29 500	1913
1914	---	1.44 ON JUL 19	0.193 ON NOV 13	14 600	1914
1915	---	9.17 ON JUN 26	0 ON JUL 9	12 900	1915
1916	---	3.88 ON JUN 3	0 B ON JAN 1	14 300	1916
1917	---	0.405 ON JUN 9	0 ON JAN 1	391	1917
1918	---	1.25 ON AUG 13	0 ON JAN 1	2 230	1918
1919	---	0.793 ON AUG 2	0 ON MAR 1	3 720	1919
1920	---	1.59 ON JUN 16	0 B ON MAR 19	4 370	1920
1921	---	1.22 ON MAY 26	0 ON APR 13	5 620	1921
1922	---	1.30 ON JUN 4	0 B ON FEB 23	3 100	1922
1923	---	---	---	---	1923
1924	---	2.42 ON OCT 14	0.0288 ON FEB 7	16 400	1924
1925	---	2.01 ON AUG 18	0.059 ON MAY 14	23 000	1925
1926	---	1.40 ON JUN 18	0.045B ON JAN 27	16 900	1926
1927	---	1.20 ON AUG 15	0.011 ON JUL 25	3 750	1927
1928	---	0.190 ON MAY 17	0 E ON DEC 29	1 360	1928
1929	---	19.8 E ON JUN 3 *	0 B ON JAN 1	9 840	1929
1930	---	0.865B ON FEB 18	0.042B ON FEB 15	4 550	1930
1931	---	---	---	---	1931
1933	---	---	---	---	1933
1935	---	---	---	---	1935
1936	---	0.731 ON AUG 18	0 ON APR 1	---	1936
1938	---	0.837 ON OCT 14	0 E ON APR 1	---	1938
1939	---	0.833 ON APR 21	---	---	1939
1940	---	0.708E ON MAY 27	0 ON APR 1	---	1940
1941	---	0.957 ON AUG 30	---	---	1941
1942	---	---	0 ON APR 1	---	1942
1943	---	0.861 ON JUL 4	0 ON APR 1	---	1943
1944	---	0.572 ON AUG 21	0 ON APR 1	---	1944
1945	---	0.851 ON AUG 31	0 ON MAR 1	---	1945
1946	---	1.18 ON AUG 25	0 ON MAR 1	---	1946
1947	---	0.388 ON JUL 27	0 ON APR 1	---	1947
1948	---	0.614 ON SEP 20	0 ON APR 1	---	1948
1949	---	1.78 ON AUG 25	0 ON APR 1	---	1949
1950	---	1.93 ON OCT 18	0 ON APR 1	---	1950
1951	---	1.55 ON AUG 2	0 ON MAR 1	---	1951
1952	---	0.425 ON JUL 21	0 ON MAR 1	---	1952
1953	---	0.883E ON AUG 28	0 E ON MAR 1	---	1953
1954	---	0.731E ON JUL 3	0 ON MAR 1	---	1954
1955	---	0.521 ON AUG 26	0 ON MAR 1	---	1955
1956	---	0.530 ON JUL 27	0 ON MAR 1	---	1956
1957	---	0.241 ON JUL 23	0 ON MAR 1	---	1957
1958	---	0.413 ON AUG 5	0 ON MAR 1	---	1958
1959	---	0.488 ON JUL 25	0 ON MAR 1	---	1959
1960	---	0.705 ON AUG 4	0 E ON MAR 1	---	1960
1961	---	0.782 ON JUL 7	0 ON MAR 1	---	1961
1962	---	0.782 ON SEP 2	---	---	1962
1963	---	6.37 E ON JUN 30	0 ON MAR 1	---	1963
1964	---	0.818 ON JUN 30	0 ON MAR 1	---	1964
1965	---	1.03 ON JUL 13	0 ON MAR 1	---	1965
1966	---	1.47 ON JUL 8	0 ON MAR 1	---	1966
1967	---	1.01 ON AUG 16	0 ON APR 17	---	1967
1968	---	0.847 ON JUL 13	0 ON AUG 10	---	1968
1969	---	5.86 ON JUL 1	---	---	1969
1970	---	1.23 ON JUL 9	0 ON MAY 1	---	1970
1971	---	1.93 ON JUN 16	0 ON MAY 1	---	1971
1972	---	1.59 ON JUL 7	---	---	1972
1973	---	1.33 ON MAY 26	0.019 ON MAY 21	10 200	1973
1974	---	1.03 ON JUL 26	0.088 ON JUN 2	12 100	1974
1975	---	1.55 ON AUG 17	0 ON APR 16	18 400	1975
1976	---	3.68 ON AUG 6	0.142 ON APR 19	23 000	1976
1977	---	2.86 ON AUG 3	0.144B ON DEC 31	22 800	1977
1978	---	0.803 ON JUL 18	0 B ON OCT 25	4 930	1978
1979	---	2.13 ON JUN 1	0.010B ON JAN 1	23 800	1979
1980	---	2.75 ON MAY 24	0.120 ON APR 18	23 200	1980
1981	---	2.90 ON JUL 26	0.190B ON DEC 31	30 000	1981
1982	---	2.54 ON JUN 14	0.045A ON APR 15	23 000	1982
1983	---	2.45 ON JUN 1	0.073 ON APR 13	23 600	1983
1984	---	2.84 ON JUL 22	0.204B ON NOV 2	30 000	1984
1985	---	3.02 ON JUN 8	0.301 ON NOV 1	31 700	1985
1986	---	2.89 ON JUN 29	0.257B ON DEC 31	32 500	1986
				15 300	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LITTLE BOW RIVER AT CARMANGAY - STATION NO. 05AC003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1918	---	---	---	---	0.753	0.280	0.037	0.437	0.523	0.331	0.327	0.080	---	1918
1919	0.010	0.005	0.003	1.23	0.932	0.349	0.148	0.920	0.381	0.257	0.221	0.057	0.378	1919
1920	0.019	0.005	5.53	12.3	5.46	1.54	1.02	0.087	0.057	0.321	0.410	0.188	2.41	1920
1921	0.011	0.222	1.08	2.27	0.746	0.405	0.313	0.362	0.218	0.309	0.187	0.030	0.510	1921
1922	0	0	0.181	2.34	1.26	0.697	0.330	0.072	0.056	0.111	0.088	0.015	0.428	1922
1923	0	0.002	0.378	0.550	0.456	8.59	2.21	1.01	0.670	0.444	0.848	0.588	1.31	1923
1924	0.085	0.539	0.548	1.76	0.884	1.51	0.978	1.68	1.05	1.18	0.692	0.281	0.915	1924
1925	0.010	0.253	2.40	1.95	0.629	1.84	1.15	1.45	1.85	2.36	---	---	---	1925
1926	---	---	1.38	1.01	0.773	2.41	1.98	1.10	4.02	2.92	---	---	---	1926
1927	---	---	1.69	1.79	4.23	5.85	3.42	1.83	3.23	4.12	---	---	---	1927
1928	---	---	---	4.16	1.73	2.98	3.11	1.81	1.04	1.07	---	---	---	1928
1929	---	---	1.51	1.88	2.55	5.67	1.14	0.546	0.624	0.748	---	---	---	1929
1930	---	1.39	1.81	2.48	1.17	0.975	0.526	0.155	0.239	0.384	---	---	---	1930
1931	---	---	0.513	0.801	---	---	---	---	---	---	---	---	---	1931
1935	---	---	---	---	---	---	---	---	0.713	0.728	---	---	---	1935
1936	---	---	2.93	---	0.462	0.489	---	---	---	---	---	---	---	1936
1955	---	---	2.24	5.87	10.8	4.75	4.05	1.42	1.42	1.22	---	---	---	1955
1956	---	---	1.98	2.79	2.80	1.16	1.23	0.674	0.536	0.466	---	---	---	1956
1957	---	---	1.22	2.16	1.31	0.692	0.348	0.351	0.511	0.746	---	---	---	1957
1958	---	---	0.654	21.4	3.06	1.21	1.12	0.480	0.523	0.421	---	---	---	1958
1959	---	---	10.7	1.86	1.80	1.71	0.985	0.555	0.370	0.417	---	---	---	1959
1960	---	---	5.07	1.20	1.43	0.609	0.141	0.491	0.359	0.407	---	---	---	1960
1961	---	---	0.651	0.581	0.634	0.227	0.452	0.451	0.391	0.447	---	---	---	1961
1962	---	---	2.67	2.85	0.645	0.251	0.399	0.317	0.497	0.341	---	---	---	1962
1963	---	---	0.543	0.282	0.494	0.823	3.37	1.15	0.573	1.20	---	---	---	1963
1964	---	---	0.228	1.24	1.27	0.783	0.749	0.038	0.795	0.699	---	---	---	1964
1965	---	---	0.779	3.21	0.499	1.75	3.32	1.39	1.44	1.34	---	---	---	1965
1966	---	---	1.96	0.693	1.17	2.07	1.85	0.854	0.355	0.440	---	---	---	1966
1967	---	---	4.33	2.50	5.14	4.52	1.23	0.755	0.788	0.895	---	---	---	1967
1968	---	---	1.37	0.930	0.415	0.825	0.940	0.856	0.765	0.818	---	---	---	1968
1969	---	---	---	7.55	2.47	2.75	9.85	1.48	---	---	---	---	---	1969
1970	---	---	2.05	2.75	2.05	3.95	2.19	0.860	1.10	1.08	---	---	---	1970
1971	---	---	5.51	7.91	1.22	2.10	1.47	0.698	0.675	0.835	---	---	---	1971
1972	---	---	9.03	2.83	1.88	1.14	1.44	1.35	1.22	0.887	---	---	---	1972
1973	---	---	3.26	1.97	1.56	1.44	0.578	0.557	0.882	0.530	---	---	---	1973
1974	---	---	2.10	3.44	3.93	1.42	1.31	1.46	1.09	1.11	0.858	---	---	1974
1975	---	---	0.592	7.53	3.86	3.02	1.30	1.56	1.41	1.08	---	---	---	1975
1976	---	---	2.51	2.08	1.28	1.10	0.868	2.07	1.38	1.17	---	---	---	1976
1977	---	---	1.38	1.40	1.01	0.756	0.303	0.846	0.942	0.923	---	---	---	1977
1978	---	---	4.46	2.12	1.71	1.29	0.767	0.838	0.929	0.530	---	---	---	1978
1979	---	---	2.75	2.57	2.62	0.807	0.862	1.41	1.13	0.949	---	---	---	1979
1980	---	---	1.27	2.10	1.86	1.55	1.08	0.788	0.884	1.07	---	---	---	1980
1981	---	---	1.13	0.789	3.58	2.91	2.52	2.46	1.70	1.47	---	---	---	1981
1982	---	---	0.615	---	---	---	2.34	1.30	1.57	1.42	---	---	---	1982
1983	---	---	1.05	1.19	1.85	1.75	1.47	1.05	1.01	0.992	0.612	0.148	---	1983
1984	0.257	0.583	1.04	1.41	1.52	2.38	1.01	1.38	0.930	0.801	0.587	0.420	1.02	1984
1985	0.266	0.307	1.68	1.42	2.23	1.90	1.23	1.23	2.05	1.89	0.610	0.433	1.26	1985
1986	0.857	2.23	1.77	0.859	1.73	1.59	2.28	1.74	1.86	1.30	0.871	0.470	1.42	1986
MEAN	0.133	0.501	2.21	3.00	2.01	1.97	1.54	0.988	0.992	0.950	0.491	0.245	1.07	MEAN

LOCATION - LAT 50 07 51 N DRAINAGE AREA, 2 780 km²
LONG 113 07 02 W REGULATED SINCE 1910

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1918	---	2.49 ON AUG 17	0 ON OCT 12 *	---	1918
1919	---	4.93 ON AUG 4	0 B ON MAR 4	11 900	1919
1920	---	67.4 ON APR 21	0 B ON DEC 17	76 100	1920
1921	---	7.488 ON APR 2	0 B ON JAN 3	16 100	1921
1922	---	7.08 ON APR 23	0 B ON JAN 1	13 500	1922
1923	38.5 ON JUN 4	28.0 ON JUN 4	0 B ON JAN 1	41 300	1923
1924	---	8.218 ON APR 8	0 0038 ON DEC 30	28 900	1924
1925	---	9.178 ON MAR 27	0 B ON JAN 3	---	1925
1926	16.8 ON JUN 21	15.7 ON JUN 21	---	---	1926
1927	---	15.5 ON MAY 31	---	---	1927
1928	---	---	---	---	1928
1929	---	37.7 ON JUN 5	0 B ON MAR 1	---	1929
1930	---	11.3 B ON FEB 19	---	---	1930
1931	---	---	---	---	1931
1935	---	---	---	---	1935
1936	---	---	---	---	1936
1955	38.5 B AT 16 00 MST ON MAR 31	25.4 ON MAY 25	---	---	1955
1956	---	13.7 E ON MAR 20	---	---	1956
1957	3.57 AT 07 00 MST ON APR 19	3.26 ON APR 20	---	---	1957
1958	---	80.1 B ON APR 2 *	---	---	1958
1959	38.5 B AT 11 00 MST ON MAR 18	33.1 B ON MAR 16	---	---	1959
1960	47.0 B AT 11 00 MST ON MAR 18 *	31.1 B ON MAR 18	---	---	1960
1961	2.488 AT 09 00 MST ON MAR 22	1.908 ON MAR 22	---	---	1961
1962	---	10.8 ON APR 2	---	---	1962
1963	---	19.7 ON JUL 2	---	---	1963
1964	---	3.00 ON MAY 6	0 ON AUG 12	---	1964
1965	---	9.37 ON JUL 12	---	---	1965
1966	12.5 B AT 23 30 MST ON MAR 10	10.3 B ON MAR 11	---	---	1966
1967	---	21.2 B ON MAR 24	---	---	1967
1968	---	2.62 ON JUN 10	---	---	1968
1969	30.6 AT 16 46 MST ON JUL 8	29.4 ON JUL 8	---	---	1969
1970	---	23.8 A ON JUN 15	---	---	1970
1971	26.8 AT 21 00 MST ON APR 5	22.7 ON APR 7	---	---	1971
1972	---	47.3 B ON MAR 17	0 B ON MAR 1	---	1972
1973	8.958 AT 16 30 MST ON MAR 3	6.408 ON MAR 3	---	---	1973
1974	14.7 B AT 18 45 MST ON MAR 30	9.348 ON MAR 31	---	---	1974
1975	---	26.2 B ON APR 19	---	---	1975
1976	12.4 B AT 18 20 MST ON MAR 20	11.2 B ON MAR 20	---	---	1976
1977	4.76 AT 12 35 MST ON APR 7	3.14 ON APR 7	0 ON JUL 31	---	1977
1978	---	13.0 B ON MAR 23	---	---	1978
1979	---	15.9 L ON MAR 8	0 B ON JAN 25	---	1979
1980	5.87 AT 11 45 MST ON MAY 26	5.39 ON MAY 26	---	---	1980
1981	10.7 AT 08 15 MST ON MAY 17	9.16 ON MAY 17	---	---	1981
1982	7.69 AT 08 22 MST ON JUL 2	7.19 ON JUL 2	---	---	1982
1983	3.428 AT 14 30 MST ON MAR 13	2.80 ON APR 28	0 0858 ON DEC 24	---	1983
1984	4.30 AT 02 37 MST ON JUN 11	4.25 ON JUN 11	0 0838 ON JAN 6	32 400	1984
1985	4.76 AT 23 59 MST ON SEP 14	4.32 ON SEP 14	0 2298 ON JAN 3	39 700	1985
1986	34.4 AT 20 19 MST ON FEB 26	19.3 B ON FEB 27	0 2888 ON DEC 26	44 900	1986
				33 900	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LITTLE BOW RIVER BELOW TRAVERS DAM - STATION NO. 05AC012

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1957	---	---	---	---	0.565	0.566	0.554	0.498	0.471	0.460	0.430	0.283	---	1957
1958	0.295	0.407	0.777	0.791	0.421	0.466	0.387	0.294	0.223	0.244	0.186	0.132	0.398	1958
1959	0.165	0.311	0.363	0.364	0.337	0.393	0.357	0.296	0.298	0.237	0.191	0.158	0.322	1959
1960	0.271	0.274	0.855	0.344	0.287	0.261	0.272	0.312	0.294	0.346	0.359	0.222	0.302	1960
1961	0.223	0.366	0.424	0.623	0.839	0.524	0.436	0.498	0.422	0.280	0.279	0.232	0.476	1961
1962	0.286	0.318	0.487	0.310	0.362	0.444	0.185	0.343	0.387	0.523	0.383	0.328	0.347	1962
1963	0.316	0.421	0.392	0.524	0.780	0.656	0.688	0.290	0.344	0.299	0.232	0.305	0.476	1963
1964	0.251	0.370	0.506	0.344	0.461	0.548	0.526	0.296	0.443	0.353	0.370	0.396	0.424	1964
1965	0.191	0.251	0.302	0.389	0.454	0.434	0.432	0.422	0.456	0.503	0.830	0.881	0.455	1965
1966	0.790	1.06	0.807	0.803	0.864	1.10	0.676	0.595	0.659	0.577	0.643	0.592	0.748	1966
1967	0.470	0.624	0.548	0.837	1.06	1.07	0.910	0.781	0.838	0.537	0.405	0.405	0.852	1967
1968	0.390	0.353	0.402	0.580	0.817	0.802	0.808	0.499	0.422	0.365	0.377	0.304	0.582	1968
1969	0.271	0.318	0.487	0.696	0.747	0.627	0.834	0.633	0.668	0.569	---	---	0.585	1969
1970	---	---	---	0.511	0.569	0.556	0.747	0.803	0.542	0.484	---	---	0.582	1970
1971	---	---	---	---	0.889	0.774	0.589	0.883	0.508	0.474	1.89	5.54	---	1971
1972	3.53	0.978	4.17	5.25	2.24	0.992	0.610	0.314	0.315	0.298	---	---	1.42	1972
1973	---	---	---	---	0.228	0.346	0.386	0.369	0.318	0.282	---	---	---	1973
1974	---	---	0.300	0.338	0.444	0.425	0.340	0.361	0.285	0.234	---	---	0.343	1974
1975	---	---	0.101	0.185	0.379	0.296	0.334	0.219	0.240	0.931	---	---	0.391	1975
1976	---	---	---	0.445	0.573	0.582	0.425	0.397	0.420	0.347	---	---	0.452	1976
1977	---	---	---	---	0.388	0.386	0.332	0.368	0.753	0.594	---	---	---	1977
1978	---	---	---	---	0.412	0.478	0.816	0.801	0.482	0.412	---	---	---	1978
1979	---	---	---	---	0.376	0.411	0.457	0.595	0.376	0.318	---	---	---	1979
1980	---	---	---	---	0.911	0.821	0.678	0.547	0.487	0.277	---	---	---	1980
1981	---	---	---	---	1.16	1.11	1.06	1.03	1.05	0.834	---	---	---	1981
1982	---	---	---	0.630	0.731	0.776	0.777	0.585	0.940	0.694	---	---	0.689	1982
1983	---	---	---	0.719	0.680	0.887	0.781	0.927	0.728	0.717	---	---	0.746	1983
1984	---	---	---	0.839	0.858	0.784	0.762	0.738	0.714	0.886	---	---	0.795	1984
1985	---	---	---	0.723	0.752	0.711	0.882	0.988	0.886	0.614	---	---	0.986	1985
1986	---	---	---	0.846	0.804	0.792	0.734	0.702	0.881	0.870	---	---	0.719	1986
MEAN	0.572	0.466	0.708	0.763	0.652	0.617	0.570	0.507	0.502	0.478	0.489	0.768	0.585	MEAN

LOCATION - LAT 50 08 04 N DRAINAGE AREA 5 330 km²
LONG 112 40 14 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES FREQUENTLY OCCUR OUTSIDE THE STANDARD PERIOD

LITTLE BOW RIVER BELOW TRAVERS DAM - STATION NO. 05AC012

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1957	---	0.840 ON AUG 11	---	---	1957
1958	---	1.33 ON APR 8	0.113 ON SEP 19	7 380	1958
1959	---	0.806 ON APR 6	0.159 ON APR 1	5 950	1959
1960	---	0.675 ON OCT 20	0.102 ON OCT 18	5 580	1960
1961	---	0.731 ON MAY 26	0.2498 ON OCT 30	8 800	1961
1962	---	0.646 ON AUG 27	0.011 ON SEP 7	6 420	1962
1963	---	0.874 ON MAY 16	0.048 ON OCT 18	8 800	1963
1964	---	0.874 ON JUL 7	0 ON AUG 15 *	7 850	1964
1965	---	0.651E ON OCT 26	0.3408 ON APR 1	8 400	1965
1966	---	1.34 ON JUN 11	0.470 ON AUG 8	13 800	1966
1967	---	1.31 ON JUN 18	0.278 ON OCT 20	15 900	1967
1968	---	1.24 ON MAY 26	0.354 ON OCT 17	10 800	1968
1969	---	1.28 ON JUL 11	0.532 ON OCT 28	12 700	1969
1970	---	0.858 ON JUL 16	0.484 ON APR 2	10 800	1970
1971	---	0.917 ON AUG 23	---	---	1971
1972	---	8.52 ON APR 1 *	0.003 ON OCT 6	36 300	1972
1973	---	0.442 ON JUL 1	---	---	1973
1974	---	0.552 ON APR 27	0.210 ON OCT 20	5 330	1974
1975	---	1.69 ON OCT 17	0.1038 ON APR 7	5 880	1975
1976	1.21 AT 23 15 MST ON MAY 9	0.951 ON MAY 10	0.317 ON JUL 28	9 370	1976
1977	---	3.77 E ON SEP 28	---	---	1977
1978	2.81 AT 08 25 MST ON JUL 7 *	2.67 ON JUL 7	---	---	1978
1979	---	0.745 ON AUG 10	---	---	1979
1980	---	0.861 ON JUL 5	---	---	1980
1981	---	1.31 ON MAY 16	---	---	1981
1982	1.66 AT 18 50 MST ON AUG 10	1.01 ON JUL 1	0.442 ON AUG 12	12 700	1982
1983	1.48 AT 07 23 MST ON AUG 12	1.14 ON AUG 12	0.198 ON SEP 27	13 800	1983
1984	2.29 AT 21 34 MST ON AUG 2	1.08 B ON OCT 29	0.611 ON AUG 12	14 700	1984
1985	---	0.830 ON MAY 28	0.575 ON AUG 4	12 700	1985
1986	---	1.09 ON JUN 5	0.604 ON APR 13	13 300	1986
				10 800	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LITTLE BOW RIVER NEAR THE MOUTH - STATION NO 05AC023

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	1.01	1.84	1.86	1.29	1.81	1.30	---	---	1.45	1973
1974	---	---	---	---	0.811	1.97	1.76	1.89	1.76	1.46	---	---	1.51	1974
1975	---	---	---	---	0.797	0.901	1.46	1.90	1.85	1.77	---	---	1.43	1975
1976	---	---	---	---	1.20	1.59	1.52	1.54	1.53	1.05	---	---	1.49	1976
1977	---	---	---	---	1.05	1.38	0.972	1.03	1.40	1.85	---	---	1.22	1977
1978	---	---	---	---	0.889	0.551	1.57	2.58	2.37	1.40	---	---	1.54	1978
1979	---	---	---	---	0.830	1.31	0.871	1.28	1.07	0.895	---	---	0.970	1979
1980	---	---	---	---	1.47	0.976	1.34	1.75	1.49	1.22	---	---	1.37	1980
1981	---	---	---	---	2.00	2.05	2.39	2.42	1.97	1.86	---	---	2.12	1981
1982	---	---	---	---	0.949	1.85	2.31	1.48	1.81	1.14	---	---	1.52	1982
1983	---	---	---	---	0.871	1.10	1.13	1.76	1.03	0.767	---	---	1.10	1983
1984	---	---	---	---	0.955	1.32	0.811	0.819	1.09	0.850	---	---	0.837	1984
1985	---	---	---	---	0.805	1.11	0.505	0.744	1.10	0.850	---	---	0.849	1985
1986	---	---	---	---	0.805	0.911	1.08	1.34	1.65	0.992	---	---	1.10	1986
MEAN	---	---	---	---	1.01	1.35	1.37	1.55	1.52	1.22	---	---	1.33	MEAN

LOCATION - LAT 49 54 00 N DRAINAGE AREA 5 880 km²
LONG 112 30 20 W REGULATED

LITTLE BOW RIVER NEAR THE MOUTH - STATION NO 05AC023

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1973	---	4.56 ON JUN 18	0.1878 ON MAY 1	33 000	1973
1974	---	3.09 ON AUG 13	0.336 ON OCT 31	25 000	1974
1975	---	3.11 ON OCT 19	0.389 ON MAY 28	23 700	1975
1976	3.64 AT 13 10 MST ON AUG 6	3.19 ON AUG 6	0.396 ON OCT 30	33 700	1976
1977	4.05 AT 09 15 MST ON SEP 29	3.80 ON SEP 29	0.246 ON AUG 7	19 400	1977
1978	7.31 AT 01 55 MST ON AUG 23 *	5.52 ON AUG 23	0.303 ON JUN 6	24 500	1978
1979	---	3.47 ON AUG 23	0.215 ON AUG 3	16 400	1979
1980	---	5.32 ON MAY 25	0.124 ON OCT 31 *	31 900	1980
1981	---	4.82 ON JUN 14	0.221 ON OCT 31	33 700	1981
1982	---	12.6 ON JUL 2 *	0.5842 ON MAY 1	24 200	1982
1983	---	3.38 ON AUG 13	0.404 ON JUL 18	17 500	1983
1984	---	2.04 ON JUN 23	0.174 ON JUL 14	14 800	1984
1985	---	2.22 ON SEP 13	0.212 ON JUL 18	13 500	1985
1986	---	2.69 ON SEP 28	0.418 ON MAY 31	17 400	1986
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		31 200	MEAN

E - ESTIMATED

LITTLE ELBOW RIVER ABOVE NIHAHI CREEK - STATION NO 05BJ005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	7.76	4.83	2.98	3.34	2.08	---	---	---	1978
1979	---	---	---	---	3.87	4.71	2.89	1.91	1.91	1.23	---	---	2.91	1979
1980	---	---	---	---	4.38	8.32	3.01	2.90	3.57	2.04	---	---	3.89	1980
1981	---	---	---	---	6.39	8.81	6.05	3.13	1.98	1.48	---	---	4.33	1981
1982	---	---	---	---	3.12	9.79	3.04	1.76	1.62	1.58	---	---	3.80	1982
1983	---	---	---	---	3.11	4.62	3.34	1.78	1.36	1.18	---	---	2.53	1983
1984	---	---	---	---	1.83	4.70	2.81	1.86	1.36	1.44	---	---	2.20	1984
1985	---	---	---	---	2.83	3.70	2.13	2.86	3.21	1.82	---	---	2.86	1985
1986	---	---	---	---	4.87	7.66	3.95	2.81	2.02	2.02	---	---	3.87	1986
MEAN	---	---	---	---	3.50	6.11	3.84	2.36	1.99	1.85	---	---	3.10	MEAN

LOCATION - LAT 50 47 42 N DRAINAGE AREA 129 km²
LONG 114 55 00 W NATURAL FLOW

LITTLE ELBOW RIVER ABOVE NIHAHI CREEK - STATION NO 05BJ005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1978	19.0 AT 20 00 MST ON JUN 6	14.2 ON JUN 6	---	---	1978
1979	13.4 AT 23 00 MST ON MAY 28	8.84 ON MAY 29	1.11 ON OCT 30	40 000	1979
1980	17.3 AT 20 00 MST ON JUN 10	13.6 ON JUN 10	1.74 A ON OCT 31	51 300	1980
1981	---	23.0 E ON MAY 26 *	1.31 ON MAY 6	68 800	1981
1982	11.8 AT 20 39 MST ON JUN 13	10.1 ON JUN 15	0.981 ON MAY 5	44 800	1982
1983	11.6 AT 20 29 MST ON MAY 29	8.98 ON MAY 29	1.09 ON OCT 28	40 100	1983
1984	8.22 AT 19 49 MST ON MAY 30	6.71 ON JUN 15	0.852 ON MAY 1 *	35 000	1984
1985	9.16 AT 19 35 MST ON SEP 12	7.44 ON SEP 13	0.880 ON MAY 1	42 700	1985
1986	24.5 AT 21 59 MST ON MAY 28 *	19.8 ON MAY 29	0.898 ON MAY 2	61 900	1986
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		49 200	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX) E - ESTIMATED

LITTLE PADDLE RIVER NEAR MAYERTHORPE - STATION NO. 07KB001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1983	---	---	0.118	8.81	1.73	0.305	0.382	0.010	0	0	---	---	1.40	1983
1984	---	---	0	0.795	1.18	0.114	0.201	0.230	0.084	0.287	---	---	0.284	1984
1985	---	---	0.010	8.06	3.40	7.48	3.24	0.253	0.270	0.120	---	---	2.83	1985
1986	---	---	0.737	3.03	3.48	1.62	1.25	1.25	0.483	0.184	---	---	1.39	1986
1987	---	---	0	1.48	2.28	0.595	0.019	0.004	0	0	---	---	0.943	1987
1988	---	---	0.788	0.257	0.650	0.031	0.003	0.000	0.010	0.119	---	---	0.255	1988
1989	---	---	0.003	4.19	0.429	0.057	0.033	0.057	0.783	0.187	---	---	0.773	1989
1970	---	---	0.344	3.83	0.918	0.185	0.290	0.063	0.004	0.012	---	---	0.709	1970
1971	---	---	0.014	5.90	1.02	4.18	10.8	0.335	0.133	0.150	---	---	2.60	1971
1972	---	---	0.610	0.72	3.35	2.54	0.484	0.287	0.045	---	---	---	---	1972
1973	---	---	0.240	2.96	1.88	2.86	0.530	0.388	0.413	0.782	---	---	1.20	1973
1974	---	---	0.114	17.3	6.70	0.830	2.03	0.339	0.187	0.131	---	---	3.82	1974
1975	---	---	0.038	2.42	1.80	2.78	0.730	0.195	0.187	0.183	---	---	1.00	1975
1976	---	---	0.927	3.21	0.382	0.170	0.094	0.862	0.838	0.195	---	---	0.980	1976
1977	---	---	0.321	2.71	6.89	1.68	3.67	0.545	1.01	0.278	---	---	2.08	1977
1978	---	---	1.15	1.88	1.46	2.16	2.14	0.402	2.80	0.574	---	---	1.91	1978
1979	---	---	2.09	3.80	4.33	4.03	0.39	0.262	0.034	0.051	---	---	2.48	1979
1980	---	---	0.062	3.92	0.554	5.96 D	0.890	0.887	0.880	0.308	---	---	1.81 D	1980
1981	---	---	1.91	1.38	0.881	0.976	0.412	0.150	0.038	0.078	---	---	0.851	1981
1982	---	---	0.010	5.12	2.18	0.370	2.64 D	0.382	0.262	0.174	---	---	1.36 D	1982
1983	---	---	0.029	1.36	0.385	0.985	3.83 D	0.098	0.016	0.067	---	---	0.7329	1983
1984	---	---	0.124	0.443	1.18	1.88 D	0.089	0	0.186	0.338	---	---	0.4909	1984
1985	---	---	1.76	2.81	0.930	3.93	0.536	0.216	1.07	0.471	---	---	1.34	1985
1986	---	---	2.14	4.13	2.19	1.02	3.85	0.112	0.135	0.376	---	---	1.71	1986
MEAN	---	---	0.538	3.88	2.02	1.85 E	1.80 D	0.314	0.398	0.217	---	---	1.34	MEAN

LOCATION - LAT 53 57 51 N DRAINAGE AREA 298 km²
LONG 115 10 20 W NATURAL FLOW

D - REVISED SINCE JAN 1985

LITTLE PADDLE RIVER NEAR MAYERTHORPE - STATION NO. 07KB001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)			MAXIMUM DAILY DISCHARGE (m³/s)		MINIMUM DAILY DISCHARGE (m³/s)		TOTAL DISCHARGE (dam³)	YEAR
1983	34.8 A		ON APR 10	32.0 A	ON APR 10	0 B	ON MAR 1 *	29 600	1983
1984	---			6.06	ON MAY 9	0 B	ON MAR 1	7 710	1984
1985	---			66.3	ON JUN 20 *	0	ON AUG 24	50 800	1985
1986	---			14.0 B	ON APR 1	0.0030	ON MAR 1	28 900	1986
1987	---			5.80	ON APR 25	0 B	ON MAR 1	11 500	1987
1988	---			7.14	ON MAY 9	0	ON JUL 1	9 440	1988
1989	---			15.3	ON APR 12	0.0030	ON MAR 1	16 400	1989
1970	---			7.22A	ON APR 10	0	ON SEP 20	15 000	1970
1971	64.6	AT 17 00 MST	ON JUL 11	63.4	ON JUL 11	0 B	ON MAR 1	58 300	1971
1972	31.0	AT 17 00 MST	ON MAY 19	17.8	ON JUN 26	---	---	---	1972
1973	15.8	AT 10 00 MST	ON JUN 26	14.6	ON JUN 26	0.0319	ON MAR 1	29 300	1973
1974	549		ON JUL 13 *	86.7	ON APR 18	0.048	ON SEP 9	74 500	1974
1975	26.9	AT 07 30 MST	ON JUN 29	30.6	ON JUN 29	0.0140	ON APR 6	31 200	1975
1976	---	---		4.938	ON APR 7	0.0285	ON MAR 1	12 300	1976
1977	91.0	AT 00 30 MST	ON MAY 30	37.9	ON MAY 29	0.0999	ON MAR 26	44 300	1977
1978	29.2	AT 03 00 MST	ON JUL 12	18.3	ON JUL 12	0.0210	ON MAR 1	31 900	1978
1979	33.4	AT 00 50 MST	ON JUN 15	24.3	ON JUL 12	0.0110	ON MAR 3	52 500	1979
1980	35.7		ON JUN 17	23.1 B	ON JUN 18	0.01000	ON MAR 3	31 9000	1980
1981	7.14	AT 23 30 MST	ON MAR 10	5.488	ON MAR 10	0.009	ON AUG 28	13 800	1981
1982	31.0	AT 18 35 MST	ON APR 23	31.0 B	ON APR 23	0.0030	ON MAR 1	38 8000	1982
1983	31.0	AT 14 55 MST	ON JUL 9	23.8 B	ON JUL 9	0.003	ON SEP 20	15 8000	1983
1984	17.6	AT 20 55 MST	ON JUN 8	15.2 B	ON JUN 8	0	ON JUL 31	10 8000	1984
1985	38.9	AT 03 25 MST	ON JUN 29	30.8	ON JUN 29	0.001	ON AUG 3	28 300	1985
1986	45.9	AT 22 57 MST	ON JUL 18	30.6	ON JUL 19	0	ON SEP 2	39 200	1986
								29 7000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
B - REVISED SINCE JAN 1 1986

LITTLE RED DEER RIVER NEAR THE MOUTH - STATION NO. 05CB001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1960	---	---	---	---	---	---	---	1.67	0.842	0.836	0.632	0.385	---	1960
1961	0.778	0.532	2.70	3.36	6.81	1.31	0.778	1.42	0.602	1.65	0.530	0.195	1.72	1961
1962	0.145	0.038	3.46	7.16	5.73	3.46	5.91	2.84	2.00	1.08	1.37	0.670	2.89	1962
1963	0.115	3.03	3.76	5.63	2.32	5.84	5.61	3.05	1.59	0.774	0.291	0.201	2.66	1963
1964	0.210	0.073	0.781	6.86	17.8	12.4	10.6	1.56	1.82	1.80	0.882	4.55	4.55	1964
1965	0.185	0.686	8.00	32.7	4.21	17.0	32.7	10.2	13.1	7.68	3.53	1.94	11.0	1965
1966	1.16	1.00	0.13	0.85	9.38	11.5	18.4	6.85	3.09	3.39	2.44	1.35	6.39	1966
1967	1.23	0.983	1.19	16.1	22.8	21.3	4.58	2.24	1.02	1.41	1.16	0.419	6.17	1967
1968	0.680	1.76	3.76	3.80	2.98	4.86	2.87	3.43	2.21	3.30	1.82	0.686	2.67	1968
1969	0.564	0.416	0.815	25.1	9.31	9.70	24.8	4.21	2.73	2.80	2.30	1.00	7.00	1969
1970	0.509	0.316	3.75	8.19	7.55	25.2	12.5	2.48	1.80	1.98	0.883	0.371	5.47	1970
1971	0.515	0.513	1.66	36.6	5.33	14.0	3.25	0.939	0.804	1.12	0.874	0.198	5.31	1971
1972	0.576	0.466	8.64	6.16	4.86	11.4	9.38	3.80	2.39	2.20	0.983	0.330	4.34	1972
1973	0.364	0.536	8.61	24.8	15.6	10.2	5.49	2.41	2.30	1.69	1.00	0.902	6.10	1973
1974	0.674	0.525	0.756	27.6	31.3	8.59	3.77	2.42	2.11	2.08	1.26	0.561	6.86	1974
1975	0.327	0.186	0.376	11.3	7.67	3.48	1.12	0.958	0.624	0.817	0.278	0.210	2.18	1975
1976	0.216	0.628	0.621	6.79	2.16	1.80	0.504	2.39	0.854	0.891	0.570	0.323	1.29	1976
1977	0.360	0.627	0.571	2.63	6.34	3.24	1.31	1.88	1.91	1.73	0.634	0.157	1.77	1977
1978	0.187	0.081	4.71	12.1	8.38	7.51	3.59	4.07	3.01	2.74	1.74	0.924	4.25	1978
1979	0.325	0.153	10.5	11.3	7.52	4.25	1.85	1.25	0.915	0.895	0.386	0.323	3.32	1979
1980	0.660	0.028	0.180	9.66	3.27	8.44	3.47	2.23	1.86	1.36	1.27	0.787	2.67	1980
1981	0.822	0.320	2.25	2.85	16.5	7.38	9.36	10.2	2.77	2.81	1.53	0.335	4.80	1981
1982	0.826	0.017	0.135	8.86	5.80	8.49	10.7	2.80	2.37	2.85	1.01	0.369	3.48	1982
1983	0.356	0.451	1.57	7.69	5.98	2.53	7.18	0.985	0.757	0.984	0.990	0.234	2.47	1983
1984	0.113	0.661	1.69	2.63	1.59	4.78	0.379	0.255	0.681	0.804	0.530	0.171	1.17	1984
1985	0.886	0.946	3.91	6.76	3.29	1.76	0.280	0.603	4.97	2.12	0.938	0.293	1.93	1985
1986	0.186	0.826	2.46	3.69	16.7	5.00	18.0	5.47	11.5	14.6	4.30	1.79	7.10	1986
MEAN	0.391	0.536	3.29	11.3	8.87	8.16	7.62	3.04	2.68	2.42	1.30	0.584	4.21	MEAN

LOCATION - LAT 52 01 00 N DRAINAGE AREA 2 560 km²
LONG 114 08 20 W NATURAL FLOW

LITTLE RED DEER RIVER NEAR THE MOUTH - STATION NO. 05CB001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1960	---	---	---	---	1960
1961	12.6 AT 17 00 MST 06 MAY 6	12.7 ON MAY 5	0.0038 ON DEC 29 *	54 200	1961
1962	---	15.3 ON JUL 9	0.0038 ON JAN 26	81 100	1962
1963	---	15.5 ON JUN 24	0.0118 ON FEB 5	83 800	1963
1964	---	117 ON MAY 7	0.0258 ON FEB 20	144 000	1964
1965	---	79.9 ON JUL 8	0.0858 ON FEB 21	346 000	1965
1966	---	109 ON JUL 4	0.9888 ON FEB 13	201 000	1966
1967	---	87.5 ON JUN 1	0.2588 ON DEC 31	195 000	1967
1968	---	15.6 ON JUN 9	0.2078 ON JAN 8	84 300	1968
1969	---	128 E ON APR 4	0.3098 ON FEB 20	221 000	1969
1970	---	150 ON JUN 17 *	0.2838 ON FEB 14	172 000	1970
1971	---	104 ON APR 15	0.0938 ON DEC 30	168 000	1971
1972	---	74.8 ON JUN 26	0.0288 ON MAR 9	137 000	1972
1973	---	57.5 ON APR 12	0.2558 ON JAN 1	192 000	1973
1974	---	84.9A ON APR 17	0.4258 ON DEC 30	216 000	1974
1975	65.3 AT 12 00 MST 06 APR 20	40.2 ON APR 20	0.1788 ON NOV 20	88 800	1975
1976	---	17.4 ON APR 10	0.2638 ON JAN 1	40 700	1976
1977	14.3 AT 00 30 MST 06 MAY 31	13.4 ON MAY 31	0.1448 ON NOV 24	55 900	1977
1978	---	39.4B ON MAR 30	0.0888 ON MAR 1	134 000	1978
1979	36.0B AT 14 30 MST 06 APR 11	25.0B ON APR 12	0.0808 ON FEB 21	105 000	1979
1980	33.5 AT 07 30 MST 06 APR 16	27.8 ON APR 16	0.0208 ON FEB 26	84 500	1980
1981	65.7 AT 20 00 MST 06 JUL 31	38.3 ON AUG 1	0.0508 ON DEC 31	152 000	1981
1982	35.5 AT 06 00 MST 06 JUL 6	25.2 ON JUL 6	0.0088 ON MAR 14	108 000	1982
1983	56.6 AT 06 57 MST 06 APR 26	45.0 ON APR 26	0.1008 ON DEC 26	77 800	1983
1984	22.6 AT 19 45 MST 06 JUN 10	21.1 ON JUN 10	0.040E ON SEP 4	38 800	1984
1985	28.3 AT 16 55 MST 06 SEP 14	26.0 ON SEP 14	0.0208 ON MAR 6	80 800	1985
1986	106 AT 11 47 MST 06 JUL 19 *	96.4 ON JUL 19	0.1178 ON FEB 16	224 000	1986
				133 000	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)

B - ICE CONDITIONS
E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LITTLE RED DEER RIVER NEAR WATER VALLEY - STATION NO 05CB002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1961	---	---	---	---	---	---	---	---	0.510	---	---	---	---	1961
1962	---	---	0.086	---	---	---	---	2.14	1.25	0.580	---	---	---	1962
1963	---	---	0.100	2.02	1.22	---	---	---	---	0.571	---	---	---	1963
1964	---	---	0.089	1.85	6.05	5.54	5.47	0.851	0.889	0.700	---	---	3.01	1964
1965	---	---	0.138	3.56	2.01	9.64	13.9	5.20	5.27	3.32	---	---	5.39	1965
1966	---	---	1.04	1.30	3.41	5.12	5.76	2.52	1.04	0.714	---	---	2.60	1966
1967	---	---	0.405	0.771	9.20	9.35	1.85	0.858	0.392	0.505	---	---	2.92	1967
1968	---	---	0.573	0.891	1.21	2.20	1.10	1.77	1.17	1.86	---	---	1.34	1968
1969	---	---	0.519	4.40	4.86	7.83	14.0	2.11	1.08	0.942	---	---	4.49	1969
1970	---	---	0.291	1.57	3.57	8.88	3.17	0.739	0.580	0.687	---	---	2.43	1970
1971	---	---	0.197	3.35	1.41	4.47	1.22	0.404	0.440	0.413	---	---	1.47	1971
1972	---	---	0.370	1.35	2.17	6.36	5.01	1.78	1.50	0.982	---	---	2.43	1972
1973	---	---	0.884	2.81	5.30	6.24	2.21	1.04	0.898	0.781	---	---	2.98	973
1974	---	---	0.323	5.76	13.8	4.08	1.76	1.30	1.05	0.886	---	---	3.83	1974
1975	---	---	0.082	0.978	2.85	1.16	0.718	0.581	0.330	0.338	---	---	0.852	1975
1976	---	---	---	2.06	1.49	1.19	0.438	1.85	0.978	0.402	---	---	---	1976
1977	---	---	0.184	1.26	---	---	0.685	1.18	1.18	0.785	---	---	---	1977
1978	---	---	0.869	4.16	4.92	4.09	2.28	1.87	2.70	1.35	---	---	2.73	1978
1979	---	---	1.06	3.18	4.10	1.94	0.913	0.861	0.598	0.893	---	---	1.84	1979
1980	---	---	0.080	3.02	2.39	5.05	1.89	1.30	1.18	0.914	---	---	1.95	1980
1981	---	---	0.481	1.11	9.88	4.44	5.84	5.71	1.80	1.40	---	---	4.08	1981
1982	---	---	0.354	1.59	2.34	3.30	4.02	1.15	1.08	0.940	---	---	1.84	1982
1983	---	---	0.448	3.22	3.03	1.96	5.08	0.803	0.338	0.474	---	---	1.89	1983
1984	---	---	0.373	0.784	0.725	2.43	0.328	0.190	0.353	0.420	0.219	0.135	0.895	1984
1985	0.085	0.079	0.173	1.50	1.87	0.877	0.220	0.420	2.95	1.55	---	---	1.17	1985
1986	---	---	0.663	1.36	8.09	3.17	11.3	2.78	5.00	5.72	---	---	4.77	1986
MEAN	0.085	0.079	0.406	2.22	4.40	4.53	3.86	1.87	1.37	1.10	0.219	0.135	2.59	MEAN

LOCATION - LAT 51 30 41 N DRAINAGE AREA 449 km²
LONG 114 40 19 W NATURAL FLOW

LITTLE RED DEER RIVER NEAR WATER VALLEY - STATION NO 05CB002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1961	---	---	---	---	1961
1962	---	---	---	---	1962
1963	---	---	---	---	1963
1964	---	43.0 ON MAY 7	0.0208 ON MAR 1 *	83 700	1964
1965	---	43.6 ON JUL 22	0.1138 ON MAR 1	114 000	1965
1966	28.0 AT 18 00 MST ON JUL 3	22.8 ON JUL 3	0.2358 ON OCT 31	55 100	1966
1967	73.1 AT 05 00 MST ON MAY 31	58.6 ON MAY 31	0.3378 ON MAR 1	81 800	1967
1968	8.98 AT 15 45 MST ON JUN 8	7.05 ON JUN 8	0.1338 ON MAR 1	28 400	1968
1969	85.5 AT 16 00 MST ON JUN 29	64.3 ON JUN 29	0.2218 ON MAR 1	95 000	1969
1970	70.5 AT 15 35 MST ON JUN 15	52.4 ON JUN 15	0.1988 ON MAR 1	51 500	1970
1971	21.4 AT 01 00 MST ON JUN 7	17.0 ON JUN 7	0.1428 ON MAR 5	31 200	1971
1972	50.1 AT 17 00 MST ON JUN 25	39.9 ON JUN 25	0.0678 ON MAR 1	51 500	1972
1973	44.5 AT 23 45 MST ON MAY 26	35.4 ON MAY 27	0.28988 ON MAR 12	83 300	1973
1974	34.5 AT 01 40 MST ON MAY 1	24.2 ON MAY 1	0.2758 ON MAR 18	76 900	1974
1975	11.1 AT 04 30 MST ON MAY 8	9.20 ON MAY 8	0.0348 ON MAR 1	18 000	1975
1976	8.83 AT 02 30 MST ON AUG 10	7.76 ON AUG 10	---	---	1976
1977	10.8 A AT 22 00 MST ON MAY 17	9.54A ON MAY 16	---	---	1977
1978	28.0 AT 24 00 MST ON APR 28	18.0 ON APR 29	0.1508 ON MAR 1	57 800	1978
1979	12.6 B AT 18 00 MST ON APR 25	8.488 ON APR 8	0.0808 ON MAR 8	34 700	1979
1980	14.4 AT 05 00 MST ON JUN 5	13.3 ON JUN 5	0.0628 ON MAR 1	41 300	1980
1981	40.2 AT 21 30 MST ON JUL 30	35.1 ON JUL 30	0.0628 ON MAR 7	85 400	1981
1982	10.1 AT 07 21 MST ON JUL 5	9.50 ON JUL 5	0.1758 ON MAR 3	39 000	1982
1983	48.5 AT 06 11 MST ON APR 25	27.4 ON APR 25	0.2258 ON MAR 8	60 100	1983
1984	13.2 AT 07 03 MST ON JUN 9	11.8 ON JUN 9	0.099 ON AUG 23	14 700	1984
1985	18.9 AT 08 02 MST ON SEP 13	16.6 ON SEP 13	0.029 ON JUL 12	24 800	1985
1986	98.0 AT 22 51 MST ON JUL 17 *	55.0 ON JUL 17 *	0.3308 ON MAR 25	101 000	1986
				54 800	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)

B - ICE CONDITIONS

* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1 1986

LITTLE SMOKY RIVER AT LITTLE SMOKY STATION NO 07GG002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	..	...	...	...	...	...	6 80	4 94	2 41	3 14	...	...	...	1967
1968	...	...	3 24	7 07	41 6	37 2	16 6	36 1	13 3	7 76	...	...	20 4	1968
1969	..	...	2 31	31 5	35 8	7 53	8 98	16 7	13 8	11 0	...	...	14 1	1969
1970	..	...	2 76	18 0	87 7	13 6	7 92	5 55	2 37	3 11	...	...	12 6	1970
1971	..	...	1 53	29 0	28 7	74 6	119	16 6	11 8	17 3	...	...	37 1	1971
1972	..	...	4 93	28 7	70 3	50 3	28 5	24 4	10 5	20 7	...	...	31 6	1972
1973	...	...	1 96	28 2	78 2	30 5	14 6	19 0	8 84	18 5	...	...	25 3	1973
1974	.	..	2 26	50 5	118	14 7	10 8	5 30	5 52	4 58	...	...	26 1	1974
1975	...	...	2 22	10 3	35 8	14 7	21 7	5 70	4 38	3 91	...	...	12 3	1975
1976	...	...	2 06	32 1	28 1	18 7	16 2	96 4	29 4	9 13	...	...	24 0	1976
1977	...	...	3 53	28 0	90 6	51 3	88 4	35 6	27 7	20 8	...	...	40 6	1977
1978	...	...	4 17	12 3	39 5	62 5	27 6	16 3	44 6	12 8	...	...	27 3	1978
1979	...	...	6 43	10 8	71 2	59 7	52 6	10 9	6 48	5 86	...	...	27 6	1979
1980	...	...	2 52	26 1	28 4	97 7	68 7	15 6	24 8	10 7	...	...	31 3	1980
1981	...	...	5 85	19 2	41 7	46 9	16 2	12 3	4 43	6 00	...	...	16 1	1981
1982	..	...	3 24	4 30	98 4	28 3	111	96 4	22 4	13 4	...	...	42 4	1982
1983	..	...	3 24	10 9	16 9	34 4	89 5	21 7	12 7	8 15	...	...	24 1	1983
1984	..	..	4 11	22 4	68 0	35 8	11 2	6 44	80 5	22 0	...	...	28 1	1984
1985	...	...	5 28	29 9	27 8	31 9	9 29	8 70	20 7	25 5	...	...	18 3	1985
1986	...	...	3 59	33 1	96 2	26 1	50 3	11 0	11 3	29 3	...	...	27 4	1986
MEAN	...	...	3 44	22 8	52 9	38 6	36 5	19 2	16 9	12 9	...	...	25 9	MEAN

LOCATION - LAT 54 44 24 N LONG 117 10 46 W DRAINAGE AREA 3 010 km² NATURAL FLOW

LITTLE SMOKY RIVER AT LITTLE SMOKY - STATION NO 07GG002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1967	...	...	...	...	1967
1968	196 AT 20 00 MST ON JUN 14	93 4 ON JUN 15	2 108 ON MAR 1	432 000	1968
1969	..	68 5 ON APR 19	1 848 ON MAR 1	310 000	1969
1970	...	79 3 ON MAY 12	1 62 ON SEP 3	268 000	1970
1971	339 * AT 06 00 MST ON JUL 13	323 ON JUL 13	1 058 ON MAR 15 *	784 000	1971
1972	253 AT 11 30 MST ON JUN 26	223 ON JUN 26	2 448 ON MAR 1	673 000	1972
1973	188 AT 07 00 MST ON MAY 29	158 ON MAY 29	2 898 ON MAR 17	535 000	1973
1974	227 AT 11 00 MST ON MAY 12	222 ON MAY 12	3 118 ON MAR 7	554 000	1974
1975	83 3 AT 02 00 MST ON JUL 1	79 9 ON JUL 1	1 958 ON MAR 2	260 000	1975
1976	143 AT 00 30 MST ON AUG 19	133 ON AUG 19	1 848 ON MAR 19	506 000	1976
1977	218 AT 07 00 MST ON MAY 7	215 ON MAY 7	3 008 ON MAR 22	859 000	1977
1978	272 AT 05 30 MST ON JUN 16	256 ON JUN 16	2 948 ON MAR 1	579 000	1978
1979	188 AT 14 00 MST ON JUL 13	180 ON JUL 13	3 588 ON MAR 1	588 000	1979
1980	250 AT 06 30 MST ON JUN 6	248 ON JUN 6	2 258 ON MAR 25	863 000	1980
1981	138 AT 07 00 MST ON JUN 3	134 ON JUN 3	3 32 ON OCT 7	387 000	1981
1982	445 B AT 21 00 MST ON JUL 16 *	288 ON JUL 17 *	2 898 ON MAR 5	885 000	1982
1983	195 AT 08 30 MST ON JUL 27	193 ON JUL 27	2 958 ON MAR 2	523 000	1983
1984	180 AT 19 00 MST ON MAY 17	170 ON MAY 18	3 408 ON MAR 15	606 000	1984
1985	86 8 AT 20 30 MST ON JUN 25	74 8 ON JUN 25	2 62 ON AUG 5	367 000	1985
1986	159 AT 08 30 MST ON JUL 19	156 ON JUL 19	2 508 ON MAR 1	580 000	1986
				948 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

LITTLE SMOKY RIVER NEAR GUY - STATION NO 07GH002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	---	---	---	---	---	---	---	---	---	16.8	16.6	6.33	---	1959
1960	3.55	3.44	6.23	51.1	120	164	65.6	17.8	8.50	6.57	5.23	2.82	37.6	1960
1961	2.99	2.19	3.75	13.4	46.2	30.1	120	19.1	4.55	13.5	14.6	5.20	23.4	1961
1962	2.75	1.66	5.76	217	262	76.6	65.8	35.4	93.6	18.5	12.5	7.46	64.2	1962
1963	7.82	5.95	8.44	310	217	50.4	17.6	13.7	10.3	10.1	1.82	1.30	54.5	1963
1964	2.24	3.34	5.16	34.7	---	---	---	334	116	66.0	18.8	11.3	---	1964
1965	7.47	6.17	8.66	226	226	160	229	118	110	42.3	15.6	10.6	97.0	1965
1966	4.12	5.29	5.37	119	239	76.5	49.3	100	77.5	17.9	11.6	8.28	58.9	1966
1967	4.60	4.76	5.86	60.3	177	99.9	16.6	10.7	5.28	5.40	3.95	1.66	33.2	1967
1968	2.08	3.38	5.32	21.8	82.3	110	36.0	53.5	21.9	13.6	7.21	5.36	30.0	1968
1969	2.76	1.62	2.94	108	73.7	17.9	13.8	19.1	32.1	21.3	12.4	7.75	26.2	1969
1970	4.86	4.35	5.05	105	130	47.9	24.6	19.6	9.77	7.65	3.43	3.06	30.6	1970
1971	3.59	3.35	4.66	111	79.8	210	347	47.1	20.2	35.7	12.7	12.3	74.6	1971
1972	6.36	5.43	11.8	119	228	128	82.3	55.0	21.7	34.0	25.8	14.2	61.1	1972
1973	8.10	7.04	7.76	126	104	125	46.7	47.1	24.1	40.6	19.1	11.1	54.9	1973
1974	8.59	7.52	7.41	289	355	53.2	35.0	10.9	12.5	9.37	4.83	4.63	67.0	1974
1975	4.70	4.74	4.73	39.9	89.0	53.8	71.8	18.4	22.4	11.0	12.4	6.10	28.4	1975
1976	5.15	5.31	4.62	111	82.9	179	105	176	80.3	31.3	16.0	8.31	73.7	1976
1977	7.20	6.62	8.12	137	246	173	143	68.6	50.4	50.5	12.4	7.44	76.5	1977
1978	6.07	4.65	6.02	64.2	114	188	61.6	32.9	113	49.2	17.9	11.8	56.0	1978
1979	6.16	4.46	6.97	66.2	269	228	206	36.9	14.5	11.0	3.75	3.55	72.3	1979
1980	4.61	3.46	3.79	82.1	95.6	182	111	36.0	50.6	38.4	18.5	9.51	49.6	1980
1981	7.84	6.47	10.7	77.5	92.4	91.7	27.5	25.0	5.70	6.64	5.71	1.59	29.9	1981
1982	1.38	1.79	3.25	13.8	167	46.8	164	161	42.7	22.0	9.62	6.83	55.9	1982
1983	4.46	4.70	5.25	19.7	35.5	133	293	90.5	35.6	21.4	19.7	9.47	56.5	1983
1984	6.80	6.75	9.10	48.7	200	126	33.6	13.2	91.1	41.9	20.3	10.7	50.7	1984
1985	7.36	5.61	9.77	112	106	53.5	25.5	13.0	62.1	78.5	21.0	9.63	42.1	1985
1986	7.82	6.80	13.3	130	168	62.3	120	26.5	14.2	64.4	14.9	9.54	53.6	1986
MEAN	5.22	4.78	6.69	106	157	111	97.2	59.4	41.6	28.1	12.6	7.42	52.3	MEAN

LOCATION - LAT 55 27 35 N DRAINAGE AREA 11 100 km²
LONG 117 09 40 W REGIMEN FLOW

LITTLE SMOKY RIVER NEAR GUY - STATION NO 07GH002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1959	---	---	---	---	1959
1960	395 AT 06 00 MST ON JUN 24	391 ON JUN 24	2.10 B ON DEC 21	1 200 000	1960
1961	648 AT 18 00 MST ON JUL 3	643 ON JUL 3	1.02 B ON FEB 11	739 000	1961
1962	---	547 ON MAY 22	0.651B ON FEB 13 *	2 930 000	1962
1963	---	7828 ON APR 20	0.680B ON NOV 4	1 720 000	1963
1964	---	---	1.96 B ON JAN 2	---	1964
1965	1 080A AT 03 00 MST ON APR 29	1 040A ON APR 29 *	4.42 ON JAN 28	3 960 000	1965
1966	691 AT 16 00 MST ON AUG 30	690 ON AUG 30	3.82 B ON JAN 5	1 890 000	1966
1967	334 AT 23 00 MST ON APR 26	286 ON MAY 9	1.25 B ON DEC 22	1 050 000	1967
1968	357 AT 07 10 MST ON JUN 15	354 ON JUN 15	1.42 B ON JAN 6	950 000	1968
1969	---	2220 ON APR 16	1.44 B ON FEB 12	825 000	1969
1970	---	210 ON APR 24	1.97 B ON NOV 27	971 000	1970
1971	971 AT 16 00 MST ON JUL 5	934 ON JUL 5	2.76 B ON FEB 10	2 380 000	1971
1972	---	504 ON APR 30	4.76 B ON MAR 2	1 930 000	1972
1973	419 AT 20 00 MST ON APR 29	399 ON APR 30	6.80 B ON FEB 7	1 730 000	1973
1974	929 AT 23 00 MST ON APR 24	892 ON APR 24	3.77 B ON NOV 13	2 110 000	1974
1975	4114 AT 05 00 MST ON JUN 30	3798 ON JUN 30	3.91 B ON MAR 10	886 000	1975
1976	748 AT 08 00 MST ON JUN 29	714 ON JUN 29	3.96 B ON MAR 17	2 330 000	1976
1977	8178 AT 11 00 MST ON MAY 31	6098 ON MAY 31	5.38 B ON NOV 22	2 410 000	1977
1978	9238 AT 23 00 MST ON JUN 16	8356 ON JUN 17	4.68 B ON FEB 21	1 770 000	1978
1979	825 AT 01 00 MST ON JUN 16	729 ON JUN 16	1.46 B ON DEC 1	2 280 000	1979
1980	5838 AT 20 00 MST ON JUN 6	5454 ON JUN 7	3.25 B ON MAR 4	1 570 000	1980
1981	248 AT 09 00 MST ON JUN 3	238 ON JUN 3	1.26 B ON DEC 31	944 000	1981
1982	705 AT 21 30 MST ON AUG 4	663 ON AUG 5	1.22 B ON JAN 15	1 760 000	1982
1983	1 110 AT 15 00 MST ON JUL 28 *	1 030 ON JUL 28	4.26 B ON JAN 23	1 760 000	1983
1984	861 AT 15 30 MST ON MAY 18	584 ON MAY 19	5.76 B ON JAN 10	1 600 000	1984
1985	243 AT 14 30 MST ON APR 15	217 ON APR 16	4.67 B ON FEB 15	1 330 000	1985
1986	386 AT 02 00 MST ON JUL 20	361 ON JUL 20	6.24 B ON FEB 14	1 680 000	1986
				1 850 000	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LITTLE SMOKY RIVER NEAR TRIANGLE - STATION NO 07GH001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1953	---	---	---	---	---	---	---	---	---	13.3	---	---	---	1953
1954	---	---	6.80	78.2	303	383	56.1	98.9	92.1	28.7	---	---	---	1954
MEAN	---	---	6.80	78.2	303	383	56.1	58.9	92.1	21.0	---	---	---	MEAN

LOCATION - LAT 55 22 40 N DRAINAGE AREA 10 600 km²
LONG 116 55 40 W REGIMEN FLOW

LITTLE SMOKY RIVER NEAR TRIANGLE · STATION NO 07GH001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1953	---	---	---	---	1953
1954	---	1 000 ON JUN 8 *	---	---	1954
		* · EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

LLOYD CREEK NEAR BLUFFTON · STATION NO 05CC009

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	0 085	7 08	2 89	4 93	3 10	0 223	0 116	0 032	---	---	2 28	1965
1966	---	---	0 233	1 98	0 420	0 315	0 344	0 538	0 191	0 157	---	---	0 519	1966
1967	---	---	0	1 03	0 801	0 745	0 234	0 039	0	0	---	---	0 332	1967
1968	---	---	0 724	0 295	0 094	0 052	0 237	0 351	0 129	0 164	---	---	0 257	1968
1969	---	---	0	2 28	0 424	0 050	0 496	0 286	0 335	0 256	---	---	0 511	1969
1970	---	---	0 027	2 38	0 445	0 582	0 905	0 289	0 067	0 158	---	---	0 597	1970
1971	---	---	0 054	3 99	0 891	1 10	1 33	0 120	0 085	0 184	---	---	0 917	1971
1972	---	---	0 125	1 82	0 880	0 572	0 376	0 202	0 103	0 145	---	---	0 498	1972
1973	---	---	0 184	2 21	1 06	1 14	2 44	1 92	0 406	0 398	---	---	1 22	1973
1974	---	---	0 142	8 25	2 59	1 43	1 89	0 189	0 105	0 312	---	---	1 85	1974
1975	---	---	0 079	1 90	1 30	0 375	0 237	0 077	0 078	0 083	---	---	0 510	1975
1976	---	---	0 089	1 20	0 135	0 178	0 060	0 332	0 071	0 148	---	---	0 273	1976
1977	---	---	0 089	0 874	2 02	0 481	0 013	0 156	0 141	0 068	---	---	0 450	1977
1978	---	---	0 414	0 770	0 806	0 782	0 437	0 208	0 794	0 521	---	---	0 552	1978
1979	---	---	0 858	1 05	0 823	0 430	0 335	0 111	0 034	0 025	---	---	0 432	1979
1980	---	---	0 082	1 83	0 354	2 89	1 79	1 05	1 43	0 529	---	---	1 21	1980
1981	---	---	0 818	0 475	1 07	0 749	2 86	3 02	0 184	0 083	---	---	1 18	1981
1982	---	---	0 020	4 03	1 35	0 575	8 20	0 882	0 518	0 815	---	---	2 07	1982
1983	---	---	0 480	2 99	0 785	0 351	1 31	0 034	0 093	0 200	---	---	0 777	1983
1984	---	---	0 483	0 877	0 828	0 754	0 031	0 043	0 809	0 296	---	---	0 480	1984
1985	---	---	0 076	4 77	0 826	0 349	0 140	0 404	0 874	0 556	---	---	0 863	1985
1986	---	---	0 831	0 588	3 45	0 289	4 60	0 876	0 518	0 782	---	---	1 51	1986
MEAN	---	---	0 265	2 37	1 06	0 861	1 43	0 505	0 320	0 285	---	---	0 881	MEAN

LOCATION · LAT 52 44 20 N LONG 114 08 50 W DRAINAGE AREA 241 km^2 NATURAL FLOW

LLOYD CREEK NEAR BLUFFTON · STATION NO 05CC009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	27 4 ON JUN 30	0 003 ON OCT 9	45 500	1965
1966	---	13 5 B ON APR 1	0 0068 ON MAR 4	11 000	1966
1967	---	3 62 B ON APR 26	0 B ON MAR 1 *	7 030	1967
1968	---	0 8478 ON MAR 7	0 ON JUN 15	5 440	1968
1969	---	10 4 ON APR 9	0 B ON MAR 1	10 800	1969
1970	---	6 23 B ON APR 12	0 B ON MAR 1	12 800	1970
1971	---	14 2 ON APR 22	0 001E ON SEP 7	19 400	1971
1972	---	7 48 B ON APR 8	0 ON AUG 29	10 500	1972
1973	17 4 AT 11 00 MST ON JUL 3	16 1 ON JUL 3	0 0289 ON MAR 1	25 800	1973
1974	---	25 5 ON APR 23	0 020 ON SEP 4	39 100	1974
1975	---	8 23 B ON APR 21	0 020 ON SEP 21	10 800	1975
1976	---	5 24 B ON APR 10	0 ON JUL 12	5 770	1976
1977	---	6 88 ON MAY 31	0 ON JUN 21	9 530	1977
1978	---	5 10 ON JUN 2	0 019 ON AUG 15	11 700	1978
1979	---	4 54 ON APR 21	0 ON AUG 26	9 150	1979
1980	---	9 14 ON JUL 1	0 040 ON MAY 13	25 800	1980
1981	29 2 AT 21 30 MST ON JUL 31	25 7 ON JUL 31	0 062 ON OCT 7	24 900	1981
1982	37 4 AT 22 34 MST ON JUL 5 *	35 3 ON JUL 5 *	0 B ON MAR 1	43 800	1982
1983	---	7 55 B ON APR 2	0 005 ON SEP 1	16 400	1983
1984	3 45 AT 08 43 MST ON APR 1	2 87 ON JUN 10	0 ON AUG 28	9 740	1984
1985	---	11 8 B ON APR 3	0 B ON MAR 1	20 400	1985
1986	34 9 AT 06 45 MST ON JUL 19	33 5 ON JUL 19	0 181 ON JUN 13	32 000	1986
	B · ICE CONDITIONS E · ESTIMATED	* · EXTREME RECORDED FOR THE PERIOD OF RECORD		18 800	MEAN

LOBSTICK RIVER NEAR ENTWISTLE - STATION NO. 07BB001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1913	---	---	---	---	---	---	---	9.32	7.35	5.73	---	---	---	1913
1914	---	---	---	---	---	---	---	---	---	3.00	2.38	1.75	---	1914
1915	1.75	0.617	0.751	4.08	1.91	10.1	9.43	4.81	3.24	2.75	4.25	0.930	3.72	1915
1916	0.325	0.121	0.149	3.86	5.58	2.42	15.1	3.88	5.32	4.36	3.35	1.75	3.95	1916
1917	1.26	0.852	1.05	8.33	25.6	25.4	8.75	4.70	3.45	3.15	2.38	0.982	7.18	1917
1918	0.853	0.781	0.918	3.04	3.95	5.80	4.28	2.47	2.16	2.21	1.82	1.11	2.44	1918
1919	0.893	0.243	0.076	5.74	5.11	3.24	0.953	0.458	0.959	1.05	0.674	0.253	1.84	1919
1920	0.247	0.003	0.043	1.04	37.0	19.6	7.17	4.22	3.79	4.15	2.02	1.55	5.76	1920
1921	1.59	1.59	1.16	2.79	12.0	8.12	4.66	4.49	3.31	2.38	1.83	0.749	3.73	1921
1922	0.317	0.083	0.034	1.52	5.52	3.19	1.77	0.700	0.487	0.384	0.215	0.027	1.19	1922
1923	0	0	---	---	---	---	---	---	---	---	---	---	---	1923
MEAN	0.806	0.474	0.526	3.78	12.1	9.73	6.64	3.91	3.34	2.92	2.08	1.01	3.83	MEAN

LOCATION - LAT 53 36 39 N DRAINAGE AREA 1 650 km²
LONG 115 00 39 W NATURAL FLOW

LOBSTICK RIVER NEAR ENTWISTLE - STATION NO. 07BB001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1913	---	---	---	---	1913
1914	---	---	---	---	1914
1915	---	30.5 ON JUN 9	0.2278 ON MAR 5	118 000	1915
1916	---	32.0 ON JUL 8	0.0288 ON FEB 9	125 000	1916
1917	---	56.8 ON MAY 18	0.4258 ON DEC 24	226 000	1917
1918	---	10.6 ON MAY 30	0.3968 ON MAR 5	76 900	1918
1919	---	8.018 ON APR 13	0.0248 ON MAR 1	51 700	1919
1920	---	78.2 ON MAY 7 *	0 B ON JAN 28 *	214 000	1920
1921	---	24.7 ON MAY 14	0.2838 ON DEC 19	118 000	1921
1922	---	8.33 ON MAY 11	0 B ON MAR 18	37 800	1922
1923	---	---	0 B ON JAN 4	---	1923
				121 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

LOBSTICK RIVER NEAR STYAL - STATION NO. 07BB003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1955	---	2.06	1.08	2.93	8.84	7.44	4.78	3.87	2.18	1.69	0.476	0.005	---	1955
1956	0	0	0	8.40	10.3	8.57	4.19	4.75	3.46	2.34	1.77	2.41	3.86	1956
1957	2.55	0.851	1.08	4.25	3.91	1.53	0.639	1.38	1.68	3.48	3.91	4.94	2.53	1957
1958	3.62	3.80	2.00	8.21	6.07	2.53	3.27	1.85	1.38	1.77	1.07	0.575	3.02	1958
1959	0.406	0.011	0.077	1.44	2.06	0.900	0.881	0.593	0.805	1.22	0.958	1.35	0.895	1959
1960	0.711	0.086	1.82	2.69	5.09	4.19	5.81	2.00	1.64	1.62	1.08	1.77	2.40	1960
1961	2.04	1.91	2.03	1.87	1.61	0.471	0.847	0.271	0.163	0.209	0.202	0.017	0.949	1961
1962	0	0	0	7.83	14.9	7.86	3.08	3.33	2.80	2.91	2.85	1.79	3.84	1962
1963	0.821	1.85	2.21	13.6	15.0	5.36	2.69	1.53	1.31	1.33	1.81	0.806	4.07	1963
1964	1.18	1.17	2.03	2.11	4.44	1.86	2.14	2.22	3.45	4.38	3.85	1.84	2.53	1964
1965	1.07	2.13	1.89	8.23	22.4	27.8	36.2	21.5	13.8	7.84	4.99	4.12	12.8	1965
1966	2.47	2.34	3.06	11.6	10.6	3.12	8.06	9.78	8.13	4.84	1.31	2.48	5.52	1966
1967	1.81	1.87	2.27	11.4	5.58	4.11	1.55	0.711	0.381	0.402	0.363	0.145	2.54	1967
1968	0	0.008	0.244	0.943	2.91	1.34	0.825	1.01	1.19	1.15	0.884	0.585	0.914	1968
1969	0.182	0.052	0.027	5.72	7.37	2.19	1.06	2.88	5.27	5.30	4.95	4.75	3.49	1969
1970	3.06	2.98	2.37	5.72	4.73	1.55	1.10	0.674	0.484	0.484	0.495	0.271	1.98	1970
1971	0.182	0.104	0.100	9.30	9.24	9.13	30.5	17.4	10.2	6.88	5.85	3.15	8.58	1971
1972	2.86	2.19	2.34	7.93	10.7	15.1	15.5	7.79	4.32	3.63	2.98	2.43	6.47	1972
1973	1.53	1.84	1.55	4.95	8.06	5.98	4.05	4.02	3.00	2.80	2.27	2.44	3.53	1973
1974	1.10	1.29	1.86	22.9	30.7	16.1	18.0	8.36	5.41	3.81	2.71	2.45	9.59	1974
1975	1.94	1.40	1.17	3.81	6.38	5.31	7.00	3.84	3.21	2.16	1.80	2.17	3.35	1975
1976	1.86	1.41	2.52	6.28	2.70	1.73	1.43	1.42	1.80	1.73	1.47	1.95	2.19	1976
1977	1.81	2.10	1.17	4.60	14.5	14.7	9.39	7.40	6.96	9.52	5.70	3.50	6.97	1977
1978	1.88	1.75	2.95	4.60	5.50	6.10	6.71	3.81	7.23	5.65	4.48	3.85	4.58	1978
1979	2.62	1.89	4.17	6.02	10.0	8.63	13.1	7.15	4.74	4.05	2.86	2.57	5.75	1979
1980	1.82	1.68	1.44	7.54	6.62	22.6	16.6	13.4	10.4	8.39	5.84	4.77	8.50	1980
1981	1.69	1.26	2.21	4.31	5.28	11.7	6.85	3.85	1.76	1.82	1.47	1.74	3.88	1981
1982	0.651	0.841	1.03	9.55	9.58	4.71	19.2	8.85	7.23	5.77	3.03	1.73	6.06	1982
1983	2.57	1.76	1.19	5.85	2.97	2.38	10.9	4.84	3.43	3.41	3.81	2.81	3.81	1983
1984	2.43	2.28	2.53	2.50	5.54	6.23	2.13	0.925	1.98	2.97	3.48	2.56	2.96	1984
1985	2.56	1.67	1.46	12.3	8.84	5.80	2.83	1.56	4.79	5.86	5.03	4.93	4.78	1985
1986	2.81	1.77	8.38	7.78	8.14	4.34	20.0	17.7	10.0	9.69	8.87	4.21	8.38	1986
MEAN	1.62	1.43	1.75	8.84	8.46	6.98	8.08	5.32	4.27	3.76	2.83	2.35	4.54	MEAN

LOCATION - LAT 53 36 45 N DRAINAGE AREA 1 570 km²
LONG 115 05 20 W NATURAL FLOW

LOBSTICK RIVER NEAR STYAL - STATION NO 07BB003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1955	13 6 AT 18 40 MST ON MAY 2	13 5 ON MAY 2	0 8 ON DEC 6 *	---	1955
1956	18 8 B AT 16 20 MST ON APR 16	18 7 B ON APR 16	0 8 ON JAN 1	122 000	1956
1957	---	10 9 B ON NOV 23	0 0578 ON MAR 8	79 800	1957
1958	---	14 4 B ON APR 14	0 3118 ON NOV 5	95 400	1958
1959	---	4 28 ON MAY 11	0 8 ON FEB 12	28 200	1959
1960	12 3 AT 08 30 MST ON JUL 6	12 1 ON JUL 6	0 8 ON MAR 17	75 800	1960
1961	---	4 81 ON JUL 2	0 8 ON DEC 10	29 900	1961
1962	---	19 4 ON MAY 6	0 8 ON JAN 1	124 000	1962
1963	---	23 8 B ON APR 19	0 1788 ON JAN 10	128 000	1963
1964	---	15 8 ON MAY 7	0 0548 ON MAR 28	79 900	1964
1965	---	95 7 ON JUN 29 *	0 8998 ON APR 6	403 000	1965
1966	---	17 6 B ON APR 4	0 875 ON NOV 4	174 000	1966
1967	---	18 7 B ON APR 17	0 0288 ON DEC 18	80 100	1967
1968	6 94 AT 03 13 MST ON MAY 10	5 64 ON MAY 8	0 8 ON JAN 1	28 800	1968
1969	---	14 8 ON SEP 6	0 8 ON FEB 20	110 000	1969
1970	8 81 AT 07 25 MST ON MAY 18	7 14 ON MAY 18	0 2128 ON DEC 24	62 800	1970
1971	58 6 AT 09 00 MST ON JUL 12	57 5 ON JUL 12	0 0578 ON JAN 29	270 000	1971
1972	30 9 AT 09 00 MST ON JUN 25	29 7 ON JUN 25	1 70 8 ON DEC 31	205 000	1972
1973	10 1 AT 23 30 MST ON MAY 9	9 63 ON MAY 9	1 13 8 ON NOV 2	111 000	1973
1974	87 5 B AT 23 30 MST ON APR 18	72 8 ON APR 19	0 8898 ON JAN 20	302 000	1974
1975	30 0 AT 21 00 MST ON JUN 28	23 1 ON JUN 29	0 1428 ON APR 1	106 000	1975
1976	20 2 B AT 18 00 MST ON APR 7	19 2 B ON APR 7	0 5648 ON MAR 5	89 300	1976
1977	61 2 AT 08 15 MST ON MAY 29	57 2 ON MAY 29	0 7148 ON MAR 20	220 000	1977
1978	42 5 AT 18 50 MST ON JUL 11	25 7 ON JUL 11	0 8018 ON JAN 6	144 000	1978
1979	25 5 AT 15 50 MST ON JUL 2	21 0 ON JUL 3	1 55 8 ON FEB 12	181 000	1979
1980	39 9 AT 11 00 MST ON JUN 5	38 7 ON JUN 5	0 8008 ON MAR 3	289 000	1980
1981	22 4 AT 13 55 MST ON JUN 2	21 9 ON JUN 2	0 7708 ON FEB 10	116 000	1981
1982	58 8 AT 03 00 MST ON JUL 5	51 3 ON JUL 5	0 4218 ON JAN 12	191 000	1982
1983	28 4 AT 10 10 MST ON JUL 9	24 4 ON JUL 9	0 7008 ON MAR 20	120 000	1983
1984	10 3 AT 22 05 MST ON JUN 1	9 20 ON JUN 9	0 301 ON SEP 2	93 700	1984
1985	18 8 AT 03 15 MST ON JUN 25	18 0 B ON APR 9	0 9008 ON MAR 11	151 000	1985
1986	91 3 AT 16 25 MST ON JUL 18 *	85 3 ON JUL 18	1 12 8 ON FEB 19	264 000	1986
				143 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

LODGE CREEK AT HARTT'S RANCH - STATION NO 11AB007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	0 256	0 383	0 171	0	0 218	0 059	---	---	---	1911
1912	---	---	---	---	0 681	0 086	0	0	0	0	---	---	---	1912
1913	---	---	---	2 47	0 381	0 025	0 007	0	0	0	---	---	0 400	1913
1914	---	---	---	1 14	0 081	0 024	0	0	0	0 035	---	---	0 180	1914
1915	---	---	---	1 15	0 078	---	---	---	---	---	---	---	---	1915
MEAN	---	---	---	1 59	0 289	0 120	0 045	0	0 055	0 024	---	---	0 290	MEAN

LOCATION - LAT 49 27 30 N
LONG 110 20 00 W
DRAINAGE AREA 183 km^2
REGULATED

LODGE CREEK AT HARTT'S RANCH - STATION NO 11AB007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	0 ON JUN 7 *	---	1911
1912	---	---	0 ON JUL 5	---	1912
1913	---	5 68 ON APR 12 *	0 ON JUN 18	1 390	1913
1914	---	3 95 ON APR 5	0 ON MAY 27	3 330	1914
1915	---	---	---	---	1915
				5 360	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LODGE CREEK AT HESTER'S RANCH - STATION NO 11AB023

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	---	---	---	---	---	0	0	---	---	---	1912
1913	---	---	---	---	0 403	0 033	0 062	0	0	0	---	---	---	1913
1914	---	---	---	1 75	0 124	0 032	0 001	0	0	0 108	---	---	---	1914
MEAN	---	---	---	1 75	0 264	0 033	0 032	0	0	0 036	---	---	---	MEAN

LOCATION - LAT 49 14 30 N
LONG 110 01 00 W
DRAINAGE AREA 586 km^2
REGULATED

LODGE CREEK AT HESTER'S RANCH - STATION NO 11AB023

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	---	---	---	1912
1913	---	---	0 ON JUL 20 *	---	1913
1914	---	---	0 ON MAR 23	---	1914
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

LODGE CREEK AT HIGHWAY NO 41 - STATION NO 11AB902

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	---	0.911	1.40	0.084	0.007	0.004	0.013	---	---	0.386	1982
1983	---	---	---	0.181	0.798	0.019	0.329	0.002	0	0.007	---	---	0.195	1983
1984	---	---	---	0.287	0.015	0.005	0	0	0	0	---	---	0.003	1984
1985	---	---	---	---	1.17	0.045	0.005	0.014	0.181	0.012	---	---	0.236	1985
1986	---	---	---	0.186	1.17	0.075	0.011	0.003	1.92	0.141	---	---	0.548	1986
MEAN	---	---	---	0.205	0.813	0.309	0.082	0.005	0.417	0.035	---	---	0.276	MEAN

LOCATION - LAT 49 25 10 N LONG 110 15 20 W
DRAINAGE AREA, 300 km^2
NATURAL FLOW
DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

LODGE CREEK AT HIGHWAY NO 41 - STATION NO 11AB902

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	---	10.1 ON JUN 1	0 ON AUG 23 *	6 290	1982
1983	17.0 AT 18 50 MST ON JUL 20 *	4.33 ON JUL 20	0 ON AUG 15	3 090	1983
1984	---	0.023 ON MAY 3	0 ON JUN 26	52.9	1984
1985	---	5.73 ON MAY 15	0 ON JUL 24	3 750	1985
1986	---	33.0 ON SEP 25 *	0 ON AUG 14	8 710	1986
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		4 380	MEAN

LOGAN RIVER NEAR THE MOUTH - STATION NO 07CA012

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	0.425	1.56	2.18	3.81	2.65	0.875	1.47	1.49	---	---	1.80	1984
1985	---	---	0.488	1.97	12.2	1.98	1.17	0.613	0.851	1.37	---	---	2.59	1985
1986	---	---	0.443	1.52	1.72	1.33	10.6	2.11	0.942	0.996	---	---	2.47	1986
MEAN	---	---	0.452	1.68	5.37	2.37	4.81	1.20	1.09	1.29	---	---	2.29	MEAN

LOCATION - LAT 55 10 44 N LONG 111 43 42 W
DRAINAGE AREA, 425 km^2
NATURAL FLOW

LOGAN RIVER NEAR THE MOUTH - STATION NO 07CA012

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	---	7.94 ON JUN 7	0.3708 ON MAR 17 *	38 100	1984
1985	77.3 AT 17 29 MST ON MAY 7 *	57.1 ON MAY 8 *	0.4768 ON MAR 12	54 700	1985
1986	57.8 AT 18 49 MST ON JUL 21	51.9 ON JUL 21	0.4218 ON MAR 8	52 400	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		48 400	MEAN

LOMOND LATERAL NEAR HEADGATE - STATION NO 05AC017

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	---	---	---	---	0.112	0.473	0.879	0.933	0.543	0.568	---	---	0.585	1959
1960	---	---	---	---	0.060	1.11	2.48	0.767	0.631	0.844	---	---	0.984	1960
1961	---	---	---	0.048	0.834	3.48	2.67	0.871	1.35	1.40	---	---	1.73	1961
1962	---	---	---	---	0.801	2.44	3.75	0.975	0.819	1.84	---	---	1.74	1962
1963	---	---	---	---	1.89	3.41	1.16	1.14	0.659	1.35	---	---	1.56	1963
1964	---	---	---	---	0.403	3.27	4.26	2.26	1.06	1.95	---	---	2.20	1964
1965	---	---	---	---	0.072	1.36	0.970	1.47	0.359	0.635	---	---	0.812	1965
1966	---	---	---	---	0.222	1.24	1.19	1.08	0.646	0.964	---	---	0.888	1966
1967	---	---	---	---	0	0.723	3.10	2.09	1.24	2.16	---	---	1.56	1967
1968	---	---	---	---	1.18	2.05	2.92	1.42	0.859	0.747	---	---	1.53	1968
1969	---	---	---	---	0.791	3.14	0.976	1.51	1.12	1.72	---	---	1.54	1969
1970	---	---	---	---	0.715	2.46	1.23	1.79	0.749	1.14	---	---	1.34	1970
1971	---	---	---	---	0.462	2.79	3.11	2.19	1.42	1.27	---	---	1.87	1971
1972	---	---	---	---	0.486	3.53	2.90	2.06	0.880	0.878	---	---	1.75	1972
1973	---	---	---	---	1.50	2.69	3.95	2.50	1.48	1.87	---	---	2.33	1973
1974	---	---	---	---	0.118	3.92	5.09	3.53	1.89	1.81	---	---	2.73	1974
1975	---	---	---	---	0	0.751	4.14	3.17	1.51	1.27	---	---	1.81	1975
1976	---	---	---	---	1.97	6.11	5.10	2.30	1.89	2.44	---	---	3.29	1976
1977	---	---	---	---	2.14	7.50	7.24	2.65	1.05	0.929	---	---	3.58	1977
1978	---	---	---	---	0.021	3.66	8.21	3.46	1.04	1.95	---	---	3.06	1978
1979	---	---	---	---	0.466	6.18	9.09	3.44	2.78	2.48	---	---	4.07	1979
1980	---	---	---	---	3.22	5.80	10.5	4.80	2.73	2.10	---	---	4.88	1980
1981	---	---	---	---	1.56	6.71	9.57	4.31	4.90	3.27	---	---	5.04	1981
1982	---	---	---	0	0.765	6.81	8.58	5.58	3.26	1.19	---	---	4.49	1982
1983	---	---	---	0	1.45	11.1	9.64	4.48	4.85	0.824	---	---	5.32	1983
1984	---	---	---	0	2.53	8.91	13.3	4.82	0.734	0.131	---	---	5.08	1984
1985	---	---	---	0	6.38	12.7	13.2	6.22	2.71	0.551	---	---	6.86	1985
1986	---	---	---	2.15	6.53	11.6	8.54	3.04	2.02	0.224	---	---	5.28	1986
MEAN	---	---	---	0.366	1.29	4.49	5.31	2.67	1.61	1.38	---	---	2.79	MEAN

LOCATION - LAT 50 12 50 N
LONG 112 39 40 W REGULATED

LOMOND LATERAL NEAR HEADGATE - STATION NO 05AC017

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1959	---	1.23 ON AUG 7	0 ON MAY 1 *	9 310	1959
1960	---	3.85 ON JUL 18	0 ON MAY 1	15 700	1960
1961	---	5.61 ON JUN 24	0 ON OCT 21	27 400	1961
1962	---	4.84 ON JUL 8	0 ON MAY 1	27 700	1962
1963	---	4.98 ON JUN 21	0 ON OCT 23	24 900	1963
1964	---	5.15 ON JUL 26	0 ON MAY 1	35 000	1964
1965	---	3.77 ON AUG 1	0 ON MAY 1	12 900	1965
1966	---	2.89 ON JUN 23	0 ON MAY 1	14 100	1966
1967	---	4.56 ON JUL 22	0 ON MAY 1	24 800	1967
1968	---	3.91 ON JUL 14	0 ON MAY 1	24 300	1968
1969	---	4.36 ON JUN 6	0 ON MAY 1	24 400	1969
1970	---	5.21 ON JUN 11	0 ON MAY 1	21 400	1970
1971	---	4.59 ON JUL 24	0 ON MAY 1	29 800	1971
1972	---	4.96 ON JUN 9	0 ON MAY 1	27 800	1972
1973	---	5.52 ON JUL 18	0 ON MAY 1	37 100	1973
1974	---	6.80 ON JUL 27	0 ON MAY 1	43 300	1974
1975	---	5.86 ON JUL 17	0 ON MAY 1	28 800	1975
1976	---	7.02 ON JUN 14	0 ON MAY 1	52 400	1976
1977	---	8.89 ON JUN 20	0 ON OCT 26	56 800	1977
1978	---	8.50 ON JUN 30	0 ON MAY 1	48 700	1978
1979	---	9.77 ON JUL 13	0 ON MAY 1	64 700	1979
1980	---	11.6 ON JUN 24	0 ON MAY 1	77 600	1980
1981	---	12.0 ON JUL 8	8E ON OCT 22	80 100	1981
1982	---	11.8 ON JUL 14	0 ON MAY 1	71 400	1982
1983	---	13.1 ON JUN 16	0 ON MAY 1	84 700	1983
1984	---	16.3 ON JUL 21 *	0 ON MAY 1	80 700	1984
1985	---	14.0 ON JUL 9	0 ON MAY 1	111 000	1985
1986	---	13.2 ON JUN 17	0 ON OCT 7	84 000	1986
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		44 300	MEAN

E - ESTIMATED

LONEPINE CREEK NEAR LINDEN - STATION NO 05CE013

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	0.001	3.16	3.53	0.251	0.029	0.003	0	0.004	0.009	---	---	1967
1968	---	---	0.116	0.026	0.023	0.020	0.015	0.009	0.005	0.019	---	---	---	1968
1969	---	---	0.004	6.88	0.098	0.048	0.040	0.013	0.022	0.023	---	---	---	1969
MEAN	---	---	0.040	3.36	1.22	0.106	0.028	0.008	0.009	0.015	0.009	---	---	MEAN

LOCATION - LAT 51 34 30 N DRAINAGE AREA, 895 km^2
LONG 113 31 20 W NATURAL FLOW

LONEPINE CREEK NEAR LINDEN - STATION NO 05CE013

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	14.3 ON MAY 1	0B ON MAR 1 *	---	1967
1968	---	0.476B ON MAR 7	0 ON AUG 29	---	1968
1969	34.3B AT 23 40 MST ON APR 3 *	29.4 B ON APR 3 *	0B ON FEB 28	---	1969
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

LOST CREEK NEAR THE MOUTH - STATION NO 07DC002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	---	---	---	---	---	0.088	0.294	0.341	0.133	0.016	---	1976
1977	0	0	0	0.631	0.372	0.293	0.362	0.096	0.102	0.146	0.054	0.006	0.172	1977
MEAN	0	0	0	0.631	0.372	0.293	0.362	0.092	0.198	0.244	0.094	0.011	0.172	MEAN

LOCATION - LAT 57 17 20 N DRAINAGE AREA, 428 km^2
LONG 110 27 50 W NATURAL FLOW

LOST CREEK NEAR THE MOUTH - STATION NO 07DC002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1976	---	---	0B ON DEC 31 *	---	1976
1977	1.85B AT 12 45 MST ON APR 18 *	1.64B ON APR 18 *	0B ON JAN 1	5 420	1977
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		5 420	MEAN

LOUISE CREEK NEAR LAKE LOUISE - STATION NO 05BA004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1913	---	---	---	---	---	---	---	2.33	1.06	0.296	0.231	0.121	---	1913
1914	0.090	0.041	0.012	0.007	0.288	1.12	2.61	2.08	0.838	0.295	0.184	0.120	0.638	1914
1915	0.161	0.055	0.044	0.101	0.327	0.810	1.81	2.91	1.09	0.184	0.103	0.018	0.650	1915
1916	0.022	0.010	0.014	0.016	0.123	1.06	2.09	2.10	1.27	0.273	0.193	0.054	0.605	1916
1917	0.009	0.026	0.018	0.008	0.269	1.05	2.32	2.37	1.32	0.856	0.323	0.213	0.738	1917
1918	0.194	0.195	0.181	0.051	0.227	1.57	2.39	2.14	0.990	---	---	---	---	1918
MEAN	0.095	0.065	0.054	0.037	0.247	1.12	2.24	2.32	1.09	0.381	0.207	0.105	0.658	MEAN

LOCATION - LAT 51 24 56 N DRAINAGE AREA, 25.1 km^2
LONG 116 12 35 W NATURAL FLOW

LOUISE CREEK NEAR LAKE LOUISE - STATION NO 05BA004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1913	---	---	---	---	1913
1914	---	3.57 ON JUL 13	0 ON OCT 23 *	20 100	1914
1915	---	3.20 ON AUG 16	0.008 ON DEC 23	20 500	1915
1916	---	2.78 ON AUG 13	0.0088 ON FEB 28	19 100	1916
1917	---	5.52 ON JUL 20 *	0.0048 ON JAN 18	23 300	1917
1918	---	3.11 ON JUL 21	---	---	1918
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		20 800	MEAN

LOVETT RIVER NEAR THE MOUTH - STATION NO 07BA003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	0.215	1.25	0.953	1.12	0.525	0.408	0.226	---	---	0.748	1975
1976	---	---	---	0.586	0.743	1.52	1.05	0.771	0.725	0.446	---	---	0.873	1976
1977	---	---	0.096	0.340	3.10	2.88	2.11	1.98	1.96	0.656	---	---	2.11	1977
1978	---	---	---	---	2.80	2.86	2.82	1.20	1.97	0.815	---	---	2.01	1978
1979	---	---	---	---	1.79	1.32	0.731	0.484	0.528	0.326	---	---	0.864	1979
1980	---	---	---	---	1.83	10.5	2.95	1.48	1.73	0.902	---	---	3.22	1980
1981	---	---	---	---	1.09	1.38	2.25	1.58	0.895	0.481	---	---	1.25	1981
1982	---	---	---	---	1.45	1.18	5.01	1.34	0.963	1.28	---	---	2.05	1982
1983	---	---	---	---	1.07	1.56	1.31	0.562	0.387	0.317	---	---	0.864	1983
1984	---	---	---	---	1.01	1.57	0.857	0.392	0.858	0.933	---	---	0.900	1984
1985	---	---	---	---	0.988	1.42	0.937	1.90	2.49	1.15	---	---	1.47	1985
1986	---	---	---	---	1.81	1.38	5.92	1.53	1.13	1.55	---	---	2.40	1986
MEAN	---	---	0.096	0.380	1.57	2.38	2.41	1.15	1.15	0.756	---	---	1.56	MEAN

LOCATION - LAT 52 59 50 N DRAINAGE AREA 101 km²
LONG 116 39 20 W NATURAL FLOW

LOVETT RIVER NEAR THE MOUTH - STATION NO 07BA003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1975	3.348 AT 01 00 MST ON MAY 10	2.76 ON JUN 29	0.1848 ON OCT 24	11 900	1975
1976	---	2.94 ON JUN 24	0.3038 ON OCT 24	13 900	1976
1977	8.15 AT 01 00 MST ON JUN 1	8.13 ON JUN 1	0.136 ON MAY 1 *	33 600	1977
1978	14.0 AT 22 15 MST ON MAY 15	10.4 R ON JUL 12	0.550E ON OCT 31	31 900	1978
1979	---	2.60E ON MAY 24	0.240 ON OCT 5	13 700	1979
1980	73.0 AT 14 00 MST ON JUN 4 *	51.4 E ON JUN 4 *	0.650E ON OCT 29	51 100	1980
1981	9.83 AT 09 00 MST ON JUL 30	9.01 ON JUL 30	0.283 ON MAY 4	19 800	1981
1982	29.0 AT 13 45 MST ON JUL 5	25.6 ON JUL 5	0.686 ON SEP 24	32 600	1982
1983	4.19 AT 20 50 MST ON JUN 24	3.74 ON JUN 21	0.202 ON OCT 13	13 700	1983
1984	2.87 AT 17 00 MST ON JUN 8	2.55 ON JUN 8	0.288 ON AUG 26	14 300	1984
1985	8.94 AT 09 40 MST ON SEP 13	7.71 ON SEP 13	0.474 ON MAY 23	23 400	1985
1986	51.5 AT 02 28 MST ON JUL 18	40.8 ON JUL 18	0.480 ON MAY 2	38 100	1986
				24 800	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED R - REVISED SINCE JAN 1 1986

LOYALIST CREEK NEAR CONSORT - STATION NO 05CA013

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	---	---	---	---	0	0.002	0.105	0.007	---	---	---	1984
1985	---	---	0.091	0.630	0.010	0.002	0.003	0.003	0.034	0.006	---	---	0.095	1985
1986	---	---	0.110	0.018	0.002	0.005	0.045	0.002	0.288	0.008	---	---	0.056	1986
MEAN	---	---	0.101	0.324	0.006	0.004	0.016	0.002	0.135	0.007	---	---	0.076	MEAN

LOCATION - LAT 52 00 04 N DRAINAGE AREA 260 km²
LONG 110 45 54 W NATURAL FLOW

LOYALIST CREEK NEAR CONSORT - STATION NO 05CA013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1984	---	---	0A ON JUN 27 *	---	1984
1985	---	2.498 ON APR 3 *	0B ON MAR 1	2 020	1985
1986	1.79 AT 12 18 MST ON SEP 11 *	1.65 ON SEP 11	0E ON MAY 29	1 180	1986
				1 610	MEAN

A - MANUAL GAUGE B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
(SEE REFERENCE INDEX) E - ESTIMATED

LUTOSE CREEK NEAR STEEN RIVER - STATION NO 07DB006

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1977	---	---	---	---	---	---	---	---	---	0.170	---	---	---	1977
1978	---	---	0	0.547	2.76	0.805	0.225	0.857	0.688	0.451	---	---	0.767	1978
1979	---	---	0	0.055	5.17	4.12	0.365	0.034	0.159	0.168	---	---	1.28	1979
1980	---	---	0.001	0.295	0.085	0.006	0.001	0.001	0	0.010	---	---	0.049	1980
1981	---	---	0	0.113	0.741	0.105	0.048	0.003	0	0.009	---	---	0.128	1981
1982	---	---	0	0.047	1.83	0.180	0.011	0.005	0.015	0	---	---	0.238	1982
1983	---	---	0	0.200	2.46	0.587	0.070	0.020	0.025	0.037	---	---	0.427	1983
1984	---	---	0	0.043	0.015	0.195	0.707	0.170	0.253	0.289	---	---	0.211	1984
1985	---	---	0.001	0.613	4.86	0.965	0.242	1.16	1.19	1.05	---	---	1.24	1985
1986	---	---	0.001	0.521	3.40	3.14	1.65	0.580	0.194	0.246	---	---	1.22	1986
MEAN	---	---	0	0.272	2.32	1.12	0.368	0.292	0.280	0.244	---	---	0.615	MEAN

LOCATION - LAT 59 24 18 N DRAINAGE AREA 292 km²
LONG 117 17 00 W NATURAL FLOW

LUTOSE CREEK NEAR STEEN RIVER - STATION NO 07OB006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1977	---	---	---	---	1977
1978	7 33 AT 23 00 MST ON MAY 4	6 65 E ON APR 30	0E ON MAR 1 *	15 200	1978
1979	19 5 AT 05 00 MST ON MAY 29 *	18 5 ON MAY 29 *	0E ON MAR 1	25 800	1979
1980	---	0 6550 ON APR 17	0E ON MAR 1	1 040	1980
1981	3 668 AT 12 00 MST ON MAY 2	2 58 E ON MAY 5	0E ON MAR 1	2 710	1981
1982	3 46 AT 12 00 MST ON MAY 10	3 27 ON MAY 12	0E ON MAR 1	5 030	1982
1983	3 638 AT 07 30 MST ON MAY 1	3 01 E ON MAY 1	0E ON MAR 1	5 020	1983
1984	1 14 AT 11 30 MST ON JUL 3	0 993 ON JUL 7	0E ON MAR 1	4 660	1984
1985	16 1 AT 13 30 MST ON MAY 5	11 0 ON MAY 6	0E ON MAR 1	25 200	1985
1986	7 39 AT 18 00 MST ON JUN 24	7 17 ON JUN 24	0E ON MAR 1	25 700	1986
				13 000	MEAN

E - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MACKAY CREEK AT GRANT'S RANCH - STATION NO 05AH006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	4 95	0 512	0 076	0	0	0	---	---	---	---	1912
1913	---	---	---	0 916	0 242	0 007	0 006	0	0	---	---	---	---	1913
1914	---	---	---	0 554	0 044	0 012	0	0	0	0 183	---	---	---	1914
MEAN	---	---	---	2 14	0 279	0 032	0 002	0	0	0 061	---	---	---	MEAN

LOCATION - LAT 49 52 10 N DRAINAGE AREA 247 km^2
LONG 110 01 10 W NATURAL FLOW

MACKAY CREEK AT GRANT'S RANCH - STATION NO 05AH006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	32 3 E ON APR 3 *	0 ON JUN 27 *	---	1912
1913	---	2 78 ON APR 6	0 ON JUN 12	---	1913
1914	---	2 46 ON OCT 6	0 ON JUL 9	---	1914
				---	MEAN

E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR FEB TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	0.233	0.045	0.222	0	0.682	0.125	---	---	1911
1912	---	---	---	2.50	0.646	0.154	0.001	0	0	0	---	---	---	1912
1913	---	---	---	1.22	0.261	0.001	0	0	0	0	---	---	---	1913
1914	---	---	---	0.582	0.085	0	0	0	0.005	0.306	---	---	---	1914
1915	---	---	---	0.750	0.602	2.67	0.412	0.164	0.003	0.043	---	---	---	1915
1916	---	---	1.38	0.259	2.35	5.41	0.855	0.372	0.060	0.152	---	---	---	1916
1917	---	---	---	---	3.67	0.200	0.042	0	0	0	---	---	---	1917
1918	---	---	---	0.883	0.155	0.023	---	---	---	---	---	---	---	1918
1919	---	---	0.224	0.417	0.051	0	0	0	0	0	---	---	---	1919
1936	---	---	1.23	---	0.034	0	---	---	---	---	---	---	---	1936
1956	---	---	1.64	0.456	0.280	0.008	0.003	0	0	0	---	---	---	1956
1957	---	0.807	1.21	2.03	0.454	0.069	0	0	0	0	---	---	0.502	1957
1958	---	---	0.731	0.736	0.015	0	0	0	0	0	---	---	---	1958
1959	---	---	1.33	0.714	0.115	0.108	0.008	0	0	0	---	---	---	1959
1960	---	---	1.85	0.312	0.698	0.039	0	0	0	0	---	---	---	1960
1961	---	---	0	0	0	0	0	0	0	0	---	---	---	1961
1962	---	---	0.685	0	0	0.161	0.001	0	0	0	---	---	---	1962
1963	---	1.32	0.186	0.042	0	0	0	0	0	0	---	---	0.156	1963
1964	---	---	0	0.111	1.71	0.006	0	0	0	0	---	---	---	1964
1965	---	---	0.007	3.57	0.283	1.06	0.357	0	0.001	0	---	---	---	1965
1966	---	---	1.86	0.801	0.435	0.315	0.024	0.011	0	0	---	---	---	1966
1967	---	---	2.19	1.69	7.18	0.362	0.009	0	0	0	---	---	---	1967
1968	---	---	0.173	0.116	0.128	0.037	0.004	0	0	0	---	---	---	1968
1969	---	---	1.84	0.820	0.053	0	0	0	0	0	---	---	---	1969
1970	---	---	0.255	1.83	0.581	0.460	0.044	0	0	0	---	---	---	1970
1971	---	2.12	0.211	1.53	0.135	0.371	0.027	0	0	0	---	---	0.469	1971
1972	---	---	1.28	0.036	0.017	0.002	0	0	0	0	---	---	---	1972
1973	---	0.001	0.022	0.248	0.084	0.332	0.001	0	0	0	---	---	0.017	1973
1974	---	---	0.734	0.358	0.704	0.034	0	0	0	0	---	---	---	1974
1975	---	---	0	1.87	4.58	2.19	0.066	0	0	0	---	---	---	1975
1976	---	---	0.807	0.455	0.044	0.267	0.053	0	0	0	---	---	---	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	---	1977
1978	---	---	1.03	0.872	0.312	0.076	0	0	0.016	0	---	---	---	1978
1979	---	---	4.09	1.19	0.803	0.079	0.041	0	0	0	---	---	---	1979
1980	---	---	0.046	0.010	0	0	0	0	0	0	---	---	---	1980
1981	---	0.030	0	0	0	0.301	0	0	0	0	---	---	0.035	1981
1982	---	0.362	0.988	1.85	0.580	3.57	0.014	0.001	0	0	---	---	0.623	1982
1983	---	0.029	0.115	0.280	1.06	0.012	0.024	0	0	0	---	---	0.171	1983
1984	---	0	0.011	0.040	0.006	0	0	0	0	0	---	---	0.006	1984
1985	---	0.005	0.100	1.85	0.676	0.007	0	0	0	0	---	---	0.304	1985
1986	---	0.450	0.276	0.044	0.801	0.062	0	0	1.92	0.380	0.663	---	0.635	1986
MEAN	---	0.514	0.765	0.807	0.735	0.445	0.051	0.014	0.074	0.026	0.663	---	0.295	MEAN

LOCATION - LAT 49 56 30 N DRAINAGE AREA 636 km²
LONG 110 02 40 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1957, 1963 AND 1971

MACKAY CREEK AT WALSH - STATION NO 05AH001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR FEB TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	11.0 ON SEP 7	0 ON JUN 14 *	---	1911
1912	---	12.1 ON MAR 26	0 ON JUN 25	---	1912
1913	---	2.76 ON APR 12	0 ON JUN 7	---	1913
1914	---	3.57 ON OCT 5	0E ON MAR 26	---	1914
1915	---	---	---	---	1915
1916	52.1 AT 02 00 MST ON JUN 12	26.6 ON JUN 4 41.1 ON JUN 11	0 ON MAY 10	---	1916
1917	---	---	---	---	1917
1918	---	---	0 ON JUL 22	---	1918
1919	2.80 AT 16 00 MST ON APR 19	2.36 ON APR 20	0 ON JUN 15 0 ON MAR 1	---	1919
1920	---	5.65 ON MAR 7	0 ON MAR 1	---	1920
1956	19.7 E ON MAR 20	15.6 E ON MAR 20	0E ON MAR 1	---	1956
1957	---	7.70 E ON FEB 27	0E ON FEB 1	11 600	1957
1958	---	5.63 E ON MAR 25	0 ON MAY 22	---	1958
1959	5.32 E AT 15 00 MST ON MAR 16	5.15 E ON MAR 16	0 ON JUN 1	---	1959
1960	---	12.5 E ON MAR 15	0E ON MAR 1	---	1960
1961	---	0 ON MAR 1	0 ON MAR 1	---	1961
1962	6.17 AT 02 00 MST ON JUN 15	3.46 E ON MAR 21	0E ON MAR 1	---	1962
1963	---	13.0 ON FEB 5	0E ON FEB 1	3 730	1963
1964	28.3 AT 04 00 MST ON MAY 6	20.5 ON MAY 6	0 ON MAR 1	---	1964
1965	16.2 AT 16 00 MST ON JUN 27	15.1 ON JUN 27	0E ON MAR 16	---	1965
1966	---	5.10 E ON MAR 12	0 ON JUL 5	---	1966
1967	40.6 AT 12 00 MST ON MAY 6	33.6 ON MAY 6	0 ON FEB 27	---	1967
1968	1.37 E AT 08 21 MST ON MAR 2	0.748 ON MAR 7	0 ON JUL 12	---	1968
1969	---	16.5 E ON MAR 16	0E ON MAR 1	---	1969
1970	15.4 AT 19 26 MST ON APR 7	8.77 ON APR 7	0E ON FEB 23	---	1970
1971	---	15.6 E ON FEB 15	0E ON FEB 1	11 100	1971
1972	8.52 AT 20 00 MST ON MAR 14	7.50 ON MAR 14	0E ON MAR 1	---	1972
1973	5.32 AT 17 00 MST ON JUN 16	2.54 ON JUN 16	0E ON FEB 1	1 820	1973
1974	10.0 E AT 06 20 MST ON MAR 29	7.64 E ON MAR 29	0E ON FEB 25	---	1974
1975	57.6 AT 06 00 MST ON MAY 7 *	43.6 ON MAY 7 *	0E ON MAR 1	---	1975
1976	9.91 E AT 10 30 MST ON MAR 18	6.30 E ON MAR 18	0E ON MAR 7	---	1976
1977	---	0 ON FEB 22	0 ON FEB 22	---	1977
1978	---	4.35 E ON MAY 5	0 ON JUN 16	---	1978
1979	---	14.0 E ON MAR 7	0E ON FEB 26	---	1979
1980	---	0.2000 ON MAR 16	0E ON MAR 1	---	1980
1981	4.35 AT 18 15 MST ON JUN 15	3.87 ON JUN 15	0E ON FEB 1	652	1981
1982	25.5 AT 16 00 MST ON JUN 4	20.1 ON JUN 4	0E ON FEB 1	15 400	1982
1983	6.62 AT 00 54 MST ON MAY 18	5.46 ON MAY 18	0E ON FEB 1	4 040	1983
1984	0.098 AT 20 11 MST ON APR 11	0.080 ON APR 12	0E ON FEB 1	150	1984
1985	13.1 AT 18 25 MST ON APR 2	8.58 ON APR 2	0E ON FEB 1	7 170	1985
1986	40.5 AT 06 03 MST ON SEP 26	33.2 ON SEP 26	0E ON FEB 1	18 300	1986
				7 060	MEAN

E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MACKAY CREEK NEAR CRABURN GAP - STATION NO 05AH002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR FEB TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	---	---	---	0.037	0.001	0	0	0	---	---	---	1976
1977	---	---	0.011	0.075	0.004	0	0	0	0	0	---	---	---	1977
1978	---	---	0.162	0.223	0.047	0.011	0	0	0	0.010	---	---	---	1978
1979	---	---	0.501	0.403	0.213	0.005	0	0	0	0.063	---	---	---	1979
1980	---	---	0.014	0.076	0.001	0	0	0	0	0.062	---	---	---	1980
1981	---	0.037	0.026	0.021	0.048	0.100	0.001	0	0	0.052	---	---	0.032	1981
1982	---	0.043	0.116	0.665	0.204	0.853	0.032	0	0	0.006	---	---	0.213	1982
1983	---	0.045	0.151	0.106	0.398	0.008	0.056	0	0	0	---	---	0.065	1983
1984	---	0.033	0.032	0.105	0.025	0	0	0	0	0	---	---	0.024	1984
1985	---	0	0.084	0.552	0.155	0.008	0	0	0	0.003	---	---	0.062	1985
1986	---	0.151	0.116	0.021	0.520	0.105	0.015	0	0.165	0.063	---	---	0.130	1986
MEAN	---	0.057	0.125	0.226	0.182	0.103	0.010	0	0.016	0.024	---	---	0.068	MEAN

LOCATION - LAT 49 44 26 N DRAINAGE AREA, 75.1 km^2
LONG 110 02 33 W NATURAL FLOW

MACKAY CREEK NEAR CRABURN GAP - STATION NO 05AH002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR FEB TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1976	---	---	0E ON JUN 1 *	---	1976
1977	0.705 AT 20 30 MST ON APR 6	0.476 ON APR 6	0 ON APR 26	---	1977
1978	---	0.576 ON MAR 26	0E ON MAR 1	---	1978
1979	---	1.14 ON APR 6	0E ON FEB 27	---	1979
1980	0.881 AT 10 40 MST ON OCT 23	0.513 ON OCT 24	0E ON MAR 1	---	1980
1981	1.85 AT 15 00 MST ON JUN 16	1.26 ON JUN 16	0E ON FEB 1	765	1981
1982	12.6 AT 17 45 MST ON APR 12 *	6.57 ON JUN 3 *	0E ON FEB 1	5 030	1982
1983	3.73 AT 20 30 MST ON MAY 18	2.13 ON MAY 17	0E ON FEB 6	2 030	1983
1984	0.360 AT 11 55 MST ON MAR 25	0.2370 ON MAR 23	0E ON FEB 6	586	1984
1985	6.42 AT 18 20 MST ON APR 1	2.47 ON APR 2	0E ON FEB 1	2 180	1985
1986	3.30 AT 18 35 MST ON SEP 25	2.27 ON SEP 25	0E ON FEB 13	3 240	1986
				2 300	MEAN

E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MACKAY CREEK NEAR WALSH - STATION NO. 05AH040

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1951	---	---	3.65	5.30	0.756	0.627	0.121	0	0.164	0.022	---	---	1.30	1951
1952	---	3.50	6.14	7.82	0.544	0.027	0	0	0	0	---	---	2.06	1952
1953	---	---	1.84	1.78	2.16	7.47	0.126	0	0	0	---	---	1.67	1953
1954	---	0.015	0	1.87	0.578	0.699	0.048	0	0.058	0.076	---	---	0.386	1954
1955	---	---	2.88	12.5	4.04	0.265	6.04	0.041	0	0	---	---	3.22	1955
MEAN	---	1.76	3.30	5.82	1.62	1.82	1.27	0.006	0.044	0.020	---	---	1.73	MEAN

LOCATION - LAT 65 56 00 N DRAINAGE AREA 865 km²
LONG 110 03 00 W REGULATED

MACKAY CREEK NEAR WALSH - STATION NO. 05AH040

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1951	---	27.8 ON MAR 30	0.8 ON MAR 1 *	27 400	1951
1952	---	62.9 E ON MAR 28	0.8 ON MAR 9	43 600	1952
1953	---	66.3 ON JUN 4	0.8 ON MAR 1	35 400	1953
1954	---	9.03 ON JUN 12	0.8 ON MAR 1	8 170	1954
1955	---	70.2 ON APR 10 *	0.8 ON MAR 1	68 200	1955
	E - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		36 600	MEAN

MACKAY RIVER ABOVE DUNKIRK RIVER - STATION NO. 07DB005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1983	---	---	0.048	1.84	1.58	0.900	0.357	0.533	0.333	0.453	---	---	0.815	1983
1984	---	---	0.013	0.802	0.859	5.30	3.23	1.46	1.75	2.16	---	---	1.94	1984
1985	---	---	0.042	4.76	14.5	1.94	0.095	0.014	0.136	0.494	---	---	2.76	1985
1986	---	---	0.181	0.761	3.11	1.92	1.30	1.16	0.181	0.327	---	---	1.11	1986
MEAN	---	---	0.071	2.07	5.11	2.52	1.25	0.792	0.600	0.864	---	---	1.66	MEAN

LOCATION - LAT 58 45 35 N DRAINAGE AREA 1 010 km²
LONG 112 36 50 W NATURAL FLOW

MACKAY RIVER ABOVE DUNKIRK RIVER - STATION NO. 07DB005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1983	---	5.898 ON APR 22	0.0408 ON MAR 1	17 200	1983
1984	10.6 AT 18 26 MST ON JUN 8 *	10.6 ON JUN 8	0.0108 ON MAR 1	41 000	1984
1985	---	23.6 E ON MAY 11 *	0 ON AUG 10 *	58 300	1985
1986	5.07 AT 19 05 MST ON MAY 30	5.00 ON MAY 30	0.0076 ON MAR 12	23 500	1986
	E - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		35 000	MEAN

WALKER RIVER NEAR FORT MACKAY - STATION NO. 07DB001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	---	0.631	2.92	2.07	0.965	---	1972
1973	0.656	0.106	0.155	24.7	39.6	157	39.3	26.3	8.36	19.2	7.29	1.97	27.0	1973
1974	1.17	0.606	0.667	56.5	57.2	22.8	35.8	14.0	5.03	3.77	1.82	1.19	22.8	1974
1975	0.616	0.651	0.665	10.7	36.2	31.3	71.2	39.2	55.7	26.2	5.12	1.13	23.4	1975
1976	0.766	0.582	0.665	66.0	15.1	9.25	13.4	15.4	31.5	17.2	2.63	0.456	14.7	1976
1977	0.616	0.362	0.305	10.5	12.5	14.1	14.6	5.21	2.95	7.08	1.76	0.393	5.83	1977
1978	0.625	0.335	0.362	18.6	39.5	17.2	6.14	4.42	18.2	43.0	7.51	1.92	16.2	1978
1979	1.00	0.520	0.571	2.84	66.6	29.4	4.77	1.75	6.80	5.90	2.92	0.855	12.1	1979
1980	0.556	0.370	0.606	9.56	3.52	4.35	1.10	32.3	22.9	17.4	5.75	0.481	8.23	1980
1981	0.632	0.668	0.776	6.71	27.9	6.97	5.10	1.33	0.137	0.610	0.676	0.396	4.36	1981
1982	0.273	0.335	0.261	8.85	54.2	7.99	1.20	1.81	0.735	1.03	0.970	0.544	5.61	1982
1983	0.566	0.505	0.610	11.2	27.6	8.14	7.19	15.7	3.21	3.59	3.64	0.766	7.42	1983
1984	0.119	0.183	0.660	6.05	10.2	59.9	29.9	9.54	8.78	14.8	4.29	1.40	12.1	1984
1985	0.736	0.560	0.615	25.7	117	13.5	1.39	0.547	0.869	2.83	1.46	0.297	13.6	1985
1986	0.284	0.137	0.170	22.1	50.8	20.1	16.1	16.2	2.93	3.70	1.42	0.810	11.3	1986
MEAN	0.580	0.492	0.633	23.5	42.7	28.7	17.7	13.4	15.2	11.3	3.29	0.958	13.4	MEAN

LOCATION - LAT 57 12 56 N DRAINAGE AREA 5 570 km²
LONG 111 41 35 W NATURAL FLOW

MACKAY RIVER NEAR FORT MACKAY - STATION NO 07DB001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	---	---	---	1972
1973	306 AT 18:00 MST ON JUN 18	303 ON JUN 18	0.0238 ON MAR 2 *	851 000	1973
1974	283 AT 05:00 MST ON APR 20	265 ON APR 20	0.4028 ON MAR 27	720 000	1974
1975	130 AT 01:00 MST ON JUL 20	127 ON JUL 19	0.4428 ON FEB 16	738 000	1975
1976	---	209 B ON APR 12	0.3688 ON DEC 25	464 000	1976
1977	22.5 AT 10:24 MST ON JUL 8	22.7 ON JUL 6	0.1988 ON APR 3	186 000	1977
1978	119 AT 19:50 MST ON SEP 8	116 ON SEP 10	0.2976 ON FEB 6	573 000	1978
1979	---	142 B ON MAY 2	0.4008 ON FEB 19	382 000	1979
1980	56.5 AT 14:00 MST ON AUG 13	54.3 ON AUG 12	0.2508 ON FEB 8	260 000	1980
1981	---	45.08 ON APR 30	0.094 ON SEP 20	137 000	1981
1982	70.7 AT 02:00 MST ON APR 25	61.1 ON APR 30	0.2208 ON FEB 16	183 000	1982
1983	54.7 AT 14:20 MST ON APR 24	54.5 ON APR 24	0.1368 ON DEC 31	234 000	1983
1984	120 AT 15:14 MST ON JUN 2	116 ON JUN 2	0.1188 ON JAN 5	363 000	1984
1985	370 AT 23:00 MST ON MAY 6 *	339 ON MAY 6 *	0.2228 ON DEC 31	439 000	1985
1986	86.6 AT 10:45 MST ON MAY 1	80.08 ON MAY 1	0.1088 ON MAR 4	356 000	1986
				422 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MAGRATH IRRIGATION DISTRICT CANAL NEAR MAGRATH - STATION NO 05AE014

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1918	---	---	---	---	0.377	0.515	0.518	0.514	0.490	0.142	---	---	0.425	1918
1919	---	---	---	---	0.184	0.518	0.550	0.383	0.295	0.056	---	---	0.330	1919
1920	---	---	---	---	0	0.274	0.591	0.549	0.402	0.319	---	---	0.356	1920
1921	---	---	---	---	0.280	0.563	0.637	0.505	0.429	0.331	---	---	0.457	1921
1922	---	---	---	---	0.137	0.539	0.208	0.407	0.278	0.107	---	---	0.278	1922
1923	---	---	---	---	0.315	0.260	0.166	0.312	0.276	0.198	---	---	0.254	1923
1924	---	---	---	---	0.226	0.193	0.426	0.225	0.312	0.169	---	---	0.275	1924
1925	---	---	---	---	0.165	0.445	0.427	0.313	0.188	0.020	---	---	0.269	1925
1926	---	---	---	---	0.280	0.387	0.327	0.262	0.100	0.007	---	---	0.221	1926
1927	---	---	---	---	0.003	0.022	0.180	0.188	0.056	0.005	---	---	0.070	1927
1928	---	---	---	---	0.275	0.196	0.002	0.218	0.272	0.039	---	---	0.166	1928
1929	---	---	---	---	0.042	0.126	0.367	0.414	0.293	0.050	---	---	0.215	1929
1930	---	---	---	---	0.024	0.448	0.329	0.381	0.169	0.020	---	---	0.228	1930
1932	---	---	---	---	0.156	0.135	0.430	0.327	0.225	0.129	---	---	0.234	1932
1933	---	---	---	---	0.016	0.642	0.731	0.588	0.313	0.214	---	---	0.417	1933
1934	---	---	---	---	0.359	0.270	0.583	0.578	0.321	0.066	---	---	0.372	1934
1935	---	---	---	---	0	0.603	0.854	0.584	0.357	0.128	---	---	0.411	1935
1936	---	---	---	---	0.085	0.570	0.536	0.387	0.266	0.018	---	---	0.326	1936
1937	---	---	---	---	0.271	0.189	0.586	0.398	0.341	0.029	---	---	0.323	1937
1938	---	---	---	---	0	0.363	0.482	0.495	0.391	0.043	---	---	0.297	1938
1939	---	---	---	---	0.484	0.221	0.626	0.593	0.365	0.076	---	---	0.397	1939
1940	---	---	---	---	0.054	0.533	0.582	0.257	0.236	0.085	---	---	0.285	1940
1941	---	---	---	---	0.248	0.277	0.481	0.383	0.249	0.105	---	---	0.286	1941
1942	---	---	---	---	0.017	0.053	0.220	0.180	0.103	0.104	---	---	0.113	1942
1943	---	---	---	---	0.083	0.378	0.777	0.811	0.442	0.258	---	---	0.459	1943
1944	---	---	---	0.030	0.394	0.211	0.548	0.480	0.334	0.193	---	---	0.361	1944
1945	---	---	---	---	0.093	0.168	0.380	0.416	0.415	0.109	---	---	0.263	1945
1946	---	---	---	---	0.501	0.115	0.620	0.510	0.370	0.032	---	---	0.359	1946
1947	---	---	---	---	0.082	0.188	0.660	0.482	0.095	0.068	0.001	---	0.264	1947
1948	---	---	---	---	0	0	0.259	0.428	0.366	0.169	---	---	0.204	1948
1949	---	---	---	0.016	0.199	0.174	0.586	0.536	0.456	0.172	---	---	0.351	1949
1950	---	---	---	---	0.057	0.483	0.419	0.695	0.455	0.284	---	---	0.386	1950
1951	---	---	---	---	0	0.040	0.139	0.495	0	0.116	---	---	0.133	1951
MEAN	---	---	---	0.023	0.168	0.306	0.466	0.433	0.283	0.117	0.001	---	0.297	MEAN

LOCATION - LAT 49 22 27 N
LONG 112 53 52 W REGULATED

MACRATH IRRIGATION DISTRICT CANAL NEAR MACRATH - STATION NO 05AE014

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1918	---	0.617 ON AUG 29	0 ON JUL 1 *	6 770	1918
1919	---	0.651 ON JUL 6	0 ON MAY 1	5 230	1919
1920	---	0.7934 ON JUL 5	0 ON MAY 1	5 650	1920
1921	---	0.793 ON JUN 30	0 ON MAY 1	7 270	1921
1922	---	0.623 ON JUN 24	0 ON MAY 1	4 430	1922
1923	---	0.484 ON MAY 24	0 ON MAY 1	4 040	1923
1924	---	0.536 ON JUL 16	0 ON MAY 1	4 380	1924
1925	---	0.498 ON JUN 26	0 ON MAY 1	4 110	1925
1926	---	0.600 ON JUN 4	0 ON MAY 1	3 600	1926
1927	---	0.808 ON JUL 13	0 ON MAY 1	1 110	1927
1928	---	0.8566 ON MAY 28	0 ON MAY 1	2 640	1928
1929	---	0.549 ON JUL 25	0 ON MAY 1	3 430	1929
1930	---	0.735 ON JUN 19	0 ON MAY 1	3 620	1930
1932	---	0.648 ON JUL 30	0 E ON MAY 22	3 720	1932
1933	---	0.560 ON JUL 21	0 ON MAY 1	5 630	1933
1934	---	0.844 ON JUL 22	0 ON MAY 1	5 820	1934
1935	---	1.06 ON JUL 17	0 ON MAY 1	6 630	1935
1936	---	0.8496 ON JUL 2	0 ON MAY 1	5 210	1936
1937	---	0.9636 ON JUL 1	0 ON MAY 1	5 130	1937
1938	---	0.6244 ON JUL 16	0 ON MAY 1	4 720	1938
1939	---	1.01 ON JUL 15	0 ON OCT 2	6 330	1939
1940	---	0.762 ON JUN 1	0 ON MAY 1	4 790	1940
1941	---	0.643 ON JUL 11	0 ON MAY 1	4 560	1941
1942	---	0.481 ON AUG 18	0 ON AUG 31	1 600	1942
1943	---	1.10 ON JUL 10 *	0 ON MAY 1	7 280	1943
1944	---	0.894 ON AUG 9	0 ON OCT 24	5 740	1944
1945	---	0.731 ON JUL 11	0 ON MAY 1	4 180	1945
1946	---	0.66 ON MAY 19	0 ON JUN 2	5 700	1946
1947	---	1.06 ON JUL 11	0 ON MAY 1	6 200	1947
1948	---	0.563 ON AUG 18	0 ON MAY 1	3 240	1948
1949	---	0.773 ON JUL 12	0.011 ON MAY 19	5 560	1949
1950	---	0.805 ON AUG 6	0 ON MAY 1	5 320	1950
1951	---	0.682 ON AUG 5	0 ON MAY 1	2 120	1951
				4 730	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX) E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MAGRATH IRRIGATION DISTRICT CANAL NEAR SPRING COULEE - STATION NO 05AE021

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1927	---	---	---	0	0	0.072	0.167	0.151	0.076	0.011	---	---	0.066	1927
1928	---	---	---	0	0.219	0.205	0.047	0.192	0.249	0.033	---	---	0.135	1928
1929	---	---	---	0	0.009	0.076	0.388	0.375	0.349	0.151	---	---	0.184	1929
1930	---	---	---	0	0.048	0.476	0.601	0.472	0.317	0.116	---	---	0.261	1930
1931	---	---	---	0.027	0.521	0.661	0.685	0.698	0.463	0.200	---	---	0.470	1931
1932	---	---	---	0.001	0.051	0.156	0.783	0.461	0.362	0.205	---	---	0.285	1932
1933	---	---	---	0	0.016	1.08	1.11	0.796	0.396	0.207	---	---	0.515	1933
1934	---	---	---	0	0.782	0.392	0.750	0.587	0.343	0.118	---	---	0.429	1934
1935	---	---	---	0	0	0.750	1.42	0.619	0.306	0.106	---	---	0.656	1935
1936	---	---	---	0	0.295	0.478	0.946	0.516	0.385	0.030	---	---	0.451	1936
1937	---	---	---	0	0.229	0.401	1.06	0.636	0.556	0.097	---	---	0.443	1937
1938	---	---	---	0	0	0.503	0.934	0.423	0.363	0.124	---	---	0.336	1938
1939	---	---	---	0	0.884	0.131	0.865	0.427	0.261	0.034	---	---	0.379	1939
1940	---	---	---	0	0.070	0.935	0.906	0.470	0.336	0.219	---	---	0.615	1940
1941	---	---	---	0	0.363	0.324	0.693	0.439	0.213	0.083	---	---	0.304	1941
1942	---	---	---	0	0	0.048	0.263	0.183	0.115	0.062	---	---	0.101	1942
1943	---	---	---	0	0.025	0.508	0.705	0.741	0.415	0.220	---	---	0.375	1943
1944	---	---	---	0.034	0.560	0.550	0.563	0.505	0.456	0.371	---	---	0.430	1944
1945	---	---	---	0	0.013	0.105	0.433	0.460	0.316	0.160	---	---	0.214	1945
1946	---	---	---	0	0.712	0.601	0.765	0.518	0.457	0.188	---	---	0.437	1946
1947	---	---	---	0	0.077	0.310	0.715	0.531	0.173	0.123	---	---	0.277	1947
1948	---	---	---	0	0	0	0.155	0.355	0.284	0.151	---	---	0.135	1948
1949	---	---	---	0	0.155	0.212	0.485	0.569	0.436	0.322	0.006	---	0.311	1949
1950	---	---	---	0	0.006	0.342	0.690	0.664	0.570	0.412	---	---	0.356	1950
1951	---	---	---	0	0.032	0.062	0.268	0.602	0	0	---	---	0.139	1951
1952	---	---	---	0	0.016	0.480	0.434	0.400	0.381	0.216	---	---	0.275	1952
1953	---	---	---	0	0	0.010	0.607	0.679	0.756	0.284	---	---	0.307	1953
1954	---	---	---	0	0.156	0.853	1.16	1.26	0.171	0.145	---	---	0.511	1954
1955	---	---	---	0	0.005	0.303	0.186	1.20	0.671	0.216	---	---	0.371	1955
1956	---	---	---	0	0.126	0.957	0.410	0.653	0.186	0.186	---	---	0.362	1956
1957	---	---	---	0	0.421	0.821	1.80	1.36	0.695	0.176	---	---	0.756	1957
1958	---	---	---	0	0.169	0.741	1.03	1.21	0.885	0.03	---	---	0.740	1958
1959	---	---	0	0.001	0.067	1.12	1.42	1.06	0.342	0.279	---	---	0.615	1959
1960	---	---	---	0.002	0.056	1.02	1.55	0.686	0.806	0.642	---	---	0.663	1960
1961	---	---	0.003	0.003	0.248	1.64	1.57	0.858	0.570	0.261	---	---	0.750	1961
1962	---	---	---	0.001	0.868	1.27	1.76	1.43	0.911	0.563	0.004	---	0.834	1962
1963	---	---	---	0.135	1.31	1.34	0.755	1.12	0.422	0.887	---	---	0.857	1963
1964	---	---	---	0.006	0.146	0.294	1.25	1.27	0.171	0.251	---	---	0.486	1964
1965	---	---	---	0.003	0.226	0.733	0.410	0.803	0.136	0.146	---	---	0.352	1965
1966	---	---	0	0.002	0.265	0.290	0.755	0.697	0.415	0.085	---	---	0.332	1966
1967	---	---	---	0.003	0.024	0.027	1.36	0.857	0.780	0.576	0.014	---	0.552	1967
1968	---	---	---	0.004	0.069	0.745	1.40	0.608	0.232	0.072	---	---	0.446	1968
1969	---	---	---	0.001	0.804	0.710	0.447	1.16	0.756	0.202	---	---	0.586	1969
1970	---	---	---	0	0.357	0.814	1.60	1.23	0.461	0.376	---	---	0.682	1970
1971	---	---	---	0	0.248	1.01	1.57	1.65	0.721	0.454	---	---	0.781	1971
1972	---	---	---	0	0.078	1.46	0.880	1.15	0.230	0.166	---	---	0.567	1972
1973	---	---	---	0	1.15	1.25	2.47	1.63	0.861	0.584	---	---	1.15	1973
1974	---	---	---	0	0	0.860	1.85	1.21	0.260	0.328	---	---	0.661	1974
1975	---	---	---	0	0	0.370	1.20	1.18	0.636	0.371	---	---	0.514	1975
1976	---	---	---	0	0.311	1.05	1.18	0.206	0.376	0.376	---	---	0.507	1976
1977	---	---	---	0	1.47	2.18	2.32	0.615	0.033	0.236	---	---	0.855	1977
1978	---	---	---	0	0.010	0.353	0.580	0.615	0.033	0.226	---	---	0.255	1978
1979	---	---	---	0	1.06	2.04	0.881	0.182	0.234	---	---	---	0.836	1979
1980	---	---	---	0	0.631	0.120	1.66	0.707	0.285	0.342	---	---	0.561	1980
1981	---	---	---	0	0	0.065	0.845	0.615	0.690	0.405	---	---	0.396	1981
1982	---	---	---	0	0.050	1.10	0.649	1.24	0.660	0.203	---	---	0.626	1982
1983	---	---	---	0	0.152	1.66	0.673	1.00	0.635	0.226	---	---	0.656	1983
1984	---	---	---	0	0.380	1.30	2.35	1.49	0.676	0.167	---	---	0.840	1984
1985	---	---	---	0	0.581	1.69	2.95	0.822	0.071	0.131	---	---	0.888	1985
1986	---	---	---	0	0.149	1.26	1.75	0.841	0.305	0.052	---	---	0.523	1986
MEAN	---	---	0.001	0.004	0.267	0.673	1.03	0.781	0.412	0.249	0.005	---	0.450	MEAN

LOCATION - LAT 49 20 55 N
LONG 113 03 15 W REGULATED

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1927	...	0 292 ON JUL 7	0 ON APR 1 *	1 280	1927
1928	...	0 671 ON MAY 27	0 ON APR 1	2 500	1928
1929	...	0 891 ON OCT 23	0 ON APR 1	3 590	1929
1930	...	0 980 ON JUL 5	0 ON APR 1	5 380	1930
1931	...	0 980 ON AUG 6	0 ON APR 1	8 700	1931
1932	...	1 12 ON JUL 25	0 ON APR 1	5 450	1932
1933	...	1 58 ON JUN 22	0 ON APR 1	9 530	1933
1934	...	1 21 A ON MAY 27	0 ON APR 1	7 930	1934
1935	...	1 61 ON JUL 13	0 ON APR 1	8 470	1935
1936	...	1 54 ON JUN 26	0 ON APR 1	8 330	1936
1937	...	1 47 ON JUL 13	0 ON APR 1	8 190	1937
1938	...	1 46 ON JUL 21	0 ON APR 1	6 200	1938
1939	...	1 53 A ON MAY 19	0 ON APR 1	7 010	1939
1940	...	1 36 ON JUL 5	0 ON APR 1	7 760	1940
1941	...	1 05 ON JUL 10	0 ON APR 1	5 830	1941
1942	...	0 487 ON JUL 24	0 ON APR 1	1 860	1942
1943	...	0 881 ON AUG 3	0 ON APR 1	6 930	1943
1944	...	0 912 ON JUL 7	0 ON APR 1	7 950	1944
1945	...	0 885 ON JUL 29	0 ON APR 1	3 950	1945
1946	...	1 04 ON MAY 24	0 ON APR 1	8 080	1946
1947	...	1 31 ON JUL 19	0 ON APR 1	5 130	1947
1948	...	0 779 ON OCT 13	0 ON APR 1	2 510	1948
1949	...	0 857 ON AUG 4	0 ON APR 1	5 760	1949
1950	...	1 00 ON JUN 29	0 ON APR 1	6 570	1950
1951	...	0 946 ON AUG 2	0 ON APR 1	2 570	1951
1952	...	0 799 ON JUL 15	0 ON APR 1	5 080	1952
1953	...	0 963 ON AUG 22	0 ON APR 1	5 880	1953
1954	...	2 18 ON AUG 12	0 ON APR 1	9 440	1954
1955	...	1 61 ON AUG 15	0 ON APR 1	6 870	1955
1956	...	1 73 ON JUN 12	0 ON APR 1	6 590	1956
1957	...	2 29 ON JUL 25	0 ON APR 1	14 000	1957
1958	...	1 61 ON JUL 17	0 ON APR 1	13 700	1958
1959	...	2 35 ON JUL 30	0 E ON APR 1	11 400	1959
1960	...	2 18 ON JUL 20	0 E ON APR 1	12 800	1960
1961	...	2 58 ON JUN 7	0 ON MAY 1	13 800	1961
1962	...	2 15 ON JUL 25	0 ON APR 11	17 300	1962
1963	...	2 23 ON JUN 20	0 ON APR 9	15 800	1963
1964	...	1 96 ON AUG 12	0 ON APR 15	9 170	1964
1965	...	1 94 ON JUN 11	0 E ON APR 16	8 510	1965
1966	...	2 17 ON AUG 4	0 ON APR 1	7 240	1966
1967	...	2 12 ON JUL 31	0 B ON APR 18	10 200	1967
1968	...	2 04 ON JUL 17	0 003 ON APR 8	8 290	1968
1969	...	2 41 ON AUG 5	0 ON OCT 28	11 100	1969
1970	...	2 78 ON JUL 16	0 ON APR 1	12 800	1970
1971	...	2 23 ON JUL 22	0 ON APR 1	14 800	1971
1972	...	3 31 ON AUG 11	0 ON APR 1	10 500	1972
1973	...	3 14 ON JUL 20	0 ON APR 1	21 200	1973
1974	...	2 73 ON AUG 2	0 E ON APR 1	12 200	1974
1975	...	2 29 ON JUL 24	0 ON APR 1	9 500	1975
1976	...	2 41 ON JUN 1	0 ON APR 1	9 380	1976
1977	...	3 57 ON JUL 22 *	0 E ON APR 1	17 700	1977
1978	...	1 43 ON AUG 11	0 E ON APR 1	4 800	1978
1979	...	2 66 ON JUL 20	0 ON APR 1	11 700	1979
1980	...	2 22 ON MAY 22	0 A ON APR 1	9 890	1980
1981	...	1 77 ON JUL 21	0 ON APR 1	7 290	1981
1982	...	1 85 ON JUN 27	0 E ON APR 1	11 800	1982
1983	...	2 07 ON JUN 29	0 ON APR 1	12 100	1983
1984	...	2 89 ON JUL 18	0 ON APR 1	17 400	1984
1985	...	3 57 ON JUL 8	0 ON APR 1	16 800	1985
1986	...	2 13 ON JUN 27	0 ON APR 1	11 500	1986
				9 050	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MALIGNE RIVER NEAR JASPER - STATION NO 07AA004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1916	---	---	---	---	---	---	60 9	45 3	41 5	18 6	---	---	---	1916
1917	---	---	---	---	10 9	33 3	40 8	38 4	18 ~	---	---	---	---	1917
1918	---	---	---	---	10 3	30 5	57 4	74 9	22 0	---	---	---	---	1918
1919	---	---	---	---	---	---	---	44 1	43 2	---	---	---	---	1919
1920	---	---	---	---	---	---	---	---	32 5	---	---	---	---	1920
1972	---	---	---	---	---	---	---	---	---	11 6	6 06	3 76	---	1972
1973	2 82	2 59	2 19	2 46	13 1	35 8	40 3	38 1	15 4	9 08	5 84	4 57	14 4	1973
1974	3 83	3 05	2 34	2 77	7 13	30 6	59 3	44 2	38 9	14 1	7 84	4 68	18 4	1974
1975	3 06	2 40	2 08	2 28	7 61	30 0	43 6	41 4	20 3	9 20	7 87	4 57	14 6	1975
1976	3 10	2 72	2 17	2 71	15 8	29 0	41 2	41 8	39 8	14 4	5 80	3 88	16 9	1976
1977	3 14	2 35	1 96	3 42	14 8	41 1	46 2	43 1	25 3	11 3	5 82	4 33	17 0	1977
1978	3 19	2 65	2 12	2 55	---	---	---	---	43 9	20 6	7 78	4 78	---	1978
1979	3 08	2 76	2 51	2 58	8 20	37 3	41 8	30 4	18 4	9 99	6 87	3 89	13 9	1979
1980	2 88	2 35	2 32	4 26	26 9	41 3	37 5	26 8	18 8	12 2	5 20	4 55	15 4	1980
1981	3 83	2 27	1 92	2 25	14 3	32 9	33 3	37 2	22 6	10 0	5 29	3 83	14 2	1981
1982	3 03	2 38	1 93	1 86	6 83R	37 7	62 1	45 0	39 3	13 8	6 12	4 12R	18 8R	1982
1983	3 18R	2 77	2 52	2 75R	7 28R	34 7	38 2	25 0	16 1	8 56	7 80	4 08R	12 8R	1983
1984	3 05	2 53	2 15	2 63R	4 29R	33 4	43 1	42 0	36 8	14 8	6 39	3 87R	16 3R	1984
1985	3 14	2 70	2 18	2 43	14 5	37 3	43 1	27 3	18 7	9 55	5 01	3 61	14 2	1985
1986	2 85	2 07	2 22	2 17	10 1	45 4	52 5	43 4	33 5	12 8	6 33	3 98	18 2	1986
MEAN	3 11R	2 55	2 19	2 65R	11 5 R	35 6	46 3	40 5	28 7	12 6	6 22	4 14R	15 8	MEAN

LOCATION LAT 52 55 51 N DRAINAGE AREA 908 km²
LONG 118 01 34 W NATURAL FLOW

R - REVISED SINCE JAN 1986

MALIGNE RIVER NEAR JASPER - STATION NO 07AA004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1916	---	---	---	---	1916
1917	---	94 3 ON JUL 14 *	---	---	1917
1918	---	---	---	---	1918
1919	---	---	---	---	1919
1920	---	---	---	---	1920
1972	---	---	---	---	1972
1973	51 0 AT 12 00 MST ON JUN 26	48 1 ON JUN 26	1 84 ON MAR 31	455 000	1973
1974	74 2 AT 09 40 MST ON JUL 19	72 8 ON JUL 19	2 10 ON MAR 26	580 000	1974
1975	49 8 AT 21 00 MST ON JUL 2	46 7 ON JUL 3	1 89 ON MAR 29	462 000	1975
1976	45 0 AT 01 00 MST ON AUG 4	44 2 ON AUG 4	1 91 ON APR 1	534 000	1976
1977	51 3 AT 17 30 MST ON JUL 28	48 7 ON JUL 9	1 78 ON MAR 16	537 000	1977
1978	---	---	2 00 ON APR 13	---	1978
1979	45 9 AT 17 00 MST ON JUL 11	44 4 ON JUL 11	2 27 ON MAR 28	438 000	1979
1980	48 5 AT 14 10 MST ON JUN 24	47 5 ON JUN 24	2 10 ON FEB 16	488 000	1980
1981	41 5 AT 16 30 MST ON JUL 22	41 4 ON JUL 22	1 74 ON MAR 20	446 000	1981
1982	92 2 AT 13 35 MST ON JUL 8 *	89 3 ON JUL 8	1 56 ON APR 7 *	593 000R	1982
1983	44 0 AT 07 20 MST ON JUN 24	42 9 ON JUN 24	2 33 ON MAR 18	405 000R	1983
1984	52 5 AT 17 35 MST ON JUN 29	50 5 ON JUN 29	2 05 ON APR 11	514 000R	1984
1985	46 3 AT 02 00 MST ON JUL 5	45 5 ON JUL 5	1 86 ON MAR 26	447 000	1985
1986	70 5 AT 17 00 MST ON JUL 24	69 5 ON JUL 24	1 92 ON FEB 17	575 000	1986
				498 000R	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1 1986

MAMI CREEK AT MOUNTAIN VIEW - STATION NO 05AD001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	0 138	0 198	0 087	0 005	0	0 079	0 101	---	---	---	1910
1912	---	---	---	0 524	0 332	0 121	0 119	0 095	0 029	0 083	---	---	---	1912
1913	---	---	---	---	0 446	0 146	0 065	0 043	0 030	0 037	---	---	---	1913
1914	---	---	---	---	0 344	0 163	0 068	0 027	0 035	0 146	---	---	---	1914
1915	---	---	---	0 349	0 775	2 96	1 18	0 794	0 483	0 697	---	---	---	1915
1916	---	---	---	0 781	1 19	1 30	1 07	0 184	0 123	0 187	---	---	---	1916
1922	---	---	0 002	0 231	0 841	0 238	0 163	0 019	0 009	0 017	---	---	0 190	1922
1923	---	---	0 056	0 180	0 095	0 484	0 178	0 106	0 037	0 072	---	---	0 145	1923
1924	---	---	0 038	0 321	0 281	0 838	0 130	0 205	0 016	0 041	---	---	0 229	1924
1925	---	---	0 184	1 04	0 658	0 227	0 086	0 013	0 051	0 187	---	---	0 295	1925
1926	---	---	0 038	0 083	0 020	0 091	0 018	0 002	0 186	0 092	---	---	0 087	1926
1927	---	---	0 046	1 26	8 20	4 49	0 384	0 423	0 887	0 767	---	---	1 83	1927
1928	---	---	1 12	1 72	0 476	0 732	1 12	0 275	0 128	0 169	---	---	0 713	1928
1929	---	---	0 071	0 435	1 08	0 802	0 130	0 011	0 008	0 013	---	---	0 282	1929
1930	---	---	0 409	0 577	0 581	0 272	0 073	0 006	0 018	0 013	---	---	0 243	1930
1931	---	---	0 091	0 042	---	---	---	---	---	---	---	---	---	1931
1935	---	---	---	---	---	---	---	---	0 062	0 083	---	---	---	1935
1936	---	---	0 073	---	0 084	0 136	---	---	---	---	---	---	---	1936
MEAN	---	---	0 190	0 547	0 853	0 806	0 318	0 147	0 183	0 185	---	---	0 445	MEAN

LOCATION LAT 49 08 00 N DRAINAGE AREA 55 7 km²
LONG 113 35 00 W NATURAL FLOW

MAMI CREEK AT MOUNTAIN VIEW - STATION NO 05AD001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	0.566 ON MAY 19	0 ON JUL 18 *	---	1910
1912	---	1.05 ON APR 6	---	---	1912
1913	---	---	---	---	1913
1914	---	0.736 ON MAY 11	---	---	1914
1915	---	6.91 ON JUN 3	---	---	1915
1916	---	6.77 ON JUL 2	0 ON JUN 24	---	1916
1922	---	1.76 ON MAY 6	0 ON MAR 1	4 030	1922
1923	---	0.940 ON JUN 1	0.020 ON MAY 22	3 100	1923
1924	---	2.18 ON JUN 7	0.006 ON SEP 13	4 850	1924
1925	---	1.59 ON APR 25	0 ON AUG 7	6 250	1925
1926	---	1.16 ON JUN 20	0 B ON MAR 1	1 410	1926
1927	---	21.6 ON MAY 29 *	0.0088 ON MAR 1	38 600	1927
1928	---	8.83 ON MAR 31	0 B ON MAR 1	15 100	1928
1929	---	2.46 ON JUN 3	0 ON AUG 19	6 180	1929
1930	---	2.01 B ON MAR 19	0 E ON AUG 26	5 150	1930
1931	---	0.139 ON APR 5	0.014 ON APR 30	---	1931
1935	---	---	0 ON SEP 1	---	1935
1936	---	---	0 B ON MAR 31	---	1936
				8 410	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

MAMI CREEK BELOW LEAVITT-AETNA DIVERSION - STATION NO 05AD024

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1961	---	---	---	0.018	0.015	0.045	0.014	0.014	0.007	0.002	---	---	0.016	1961
1962	---	---	---	0.043	0.021	0.036	0.013	0.042	0.012	0.028	---	---	0.028	1962
1963	---	---	---	0.019	0.011	0.008	0.006	0.137	0.012	0.004	0.036	---	0.029	1963
1964	---	---	---	0.048	0.063	0.230	0.039	0.065	0.023	0.010	0.019	---	0.066	1964
1965	---	---	---	0.291	0.168	0.056	0.035	0.138	0.006	0.010	0.063	---	0.150	1965
1966	---	---	---	0.135	0.144	0.031	0.045	0.043	0.006	0.002	---	---	0.056	1966
1967	---	---	---	0.279	0.595	1.46	0.042	0.086	0.015	0.004	---	---	0.395	1967
1968	---	---	---	0.079	0.059	0.027	0.011	0.032	0.023	0.009	0.057	---	0.034	1968
1969	---	---	---	0.175	0.144	0.068	0.527	0.040	0.021	0.015	---	---	0.186	1969
1970	---	---	---	0.098	0.043	0.137	0.080	0.176	0.037	0.002	---	---	0.083	1970
1971	---	---	---	0.112	0.018	0.008	0.008	0.023	0.006	0.006	---	---	0.026	1971
1972	---	---	---	0.040	0.070	0.416	0.030	0.012	0.044	0.001	---	---	0.086	1972
1973	---	---	---	0.073	0.022	0.017	0.035	0.015	0.005	0.025	---	---	0.027	1973
1974	---	---	---	---	0.143	0.054	0.065	0.187	0.052	0.042	---	---	---	1974
MEAN	---	---	---	0.108	0.130	0.190	0.092	0.072	0.019	0.011	0.045	---	0.088	MEAN

LOCATION - LAT 49 06 51 N DRAINAGE AREA 35.2 km^2
LONG 113 37 00 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1965

MAMI CREEK BELOW LEAVITT-AETNA DIVERSION - STATION NO 05AD024

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1961	---	0.232 ON APR 26	0 ON OCT 19 *	304	1961
1962	---	0.323 ON OCT 7	0 ON JUN 15	514	1962
1963	---	0.821 ON AUG 11	0 ON OCT 29	530	1963
1964	---	0.5976 ON JUN 6	0.003 ON JUN 24	1 260	1964
1965	---	0.545 ON AUG 24	0 ON SEP 12	1 860	1965
1966	---	0.306 ON MAY 7	0 ON JUN 6	1 070	1966
1967	---	2.49 ON MAY 31 *	0 ON OCT 17	7 300	1967
1968	---	0.340 ON MAY 24	0 ON MAY 8	630	1968
1969	---	2.38 ON JUL 9	0 ON OCT 2	3 480	1969
1970	---	0.9326 ON APR 6	0 ON OCT 8	1 540	1970
1971	---	0.176 ON AUG 19	0 ON JUN 21	474	1971
1972	---	1.23 ON JUN 7	0 ON APR 7	1 600	1972
1973	---	0.198 ON APR 30	0.002 ON OCT 18	506	1973
1974	---	0.606 ON AUG 8	---	---	1974
				1 620	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

MANATOKAN CREEK NEAR IRON RIVER - STATION NO. 08AC009

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	0.016	0.819	0.382	0.068	0.024	0.009	0	0	---	---	0.161	1981
1982	---	---	0	0.007	0.012	0	0	0	0	0	---	---	0.002	1982
1983	---	---	0	0	0	0.001	0.021	0.020	0.004	0.001	---	---	0.006	1983
1984	---	---	0.006	0.316	0.195	0.201	0.057	0.011	0.002	0.001	---	---	0.098	1984
1985	---	---	0.004	0.005	0.287	0.108	0.007	0.001	0.001	0.001	---	---	0.052	1985
1986	---	---	0.001	0.001	0.005	0	0	0.001	0.001	0.001	---	---	0.001	1986
MEAN	---	---	0.005	0.191	0.144	0.063	0.018	0.007	0.001	0.001	---	---	0.053	MEAN

LOCATION - LAT 54 26 55 N DRAINAGE AREA, 442 km²
LONG 110 56 10 W NATURAL FLOW

MANATOKAN CREEK NEAR IRON RIVER - STATION NO. 08AC009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1981	---	1.36 A ON APR 9 *	0.0 ON MAR 1 *	3 400	1981
1982	---	0.037RE ON APR 26	0.0 ON MAR 1	52.1	1982
1983	---	0.029E ON AUG 2	0.0 ON MAR 1	126	1983
1984	---	0.528E ON APR 12	0.0 ON MAR 1	2 070	1984
1985	0.514 AT 11 35 MST ON MAY 12 *	0.480 ON MAY 12	0.0 ON MAR 1	1 100	1985
1986	0.040 AT 19 34 MST ON MAY 5	0.039 ON MAY 5	0.0 ON MAR 1	27.5	1986
				1 130	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1 1986

MANYBERRIES CREEK AT BRODIN'S FARM - STATION NO 05AF010

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR FEB TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	--	---	0.352	0.148	---	---	---	---	---	---	---	---	1911
1912	---	---	---	---	0.098	0.023	0	0	0	0	---	---	---	1912
1913	---	---	0.318	0.791	0.089	0.039	0	0	0	0	---	---	---	1913
1914	---	---	0.403	0.534	0	0.090	0	0	0	0.139	---	---	---	1914
1915	---	---	1.07	0.633	0	0.040	0.223	0.123	0	0	---	---	---	1915
1916	---	---	---	0.038	0.585	1.58	1.85	0.021	1.14	---	---	---	---	1916
1917	---	---	0.047	3.18	0.528	0.045	0.017	0	0	0	---	---	---	1917
1919	---	---	0.019	1.22	0.028	0.003	0	0	0	0	---	---	---	1919
1920	---	---	1.14	1.56	0.323	0.038	0.028	0	0	0	---	---	---	1920
1921	---	---	0.751	4.30	0.287	0.102	0.007	0	0	0	---	---	---	1921
1922	---	---	0.119	7.59	0.238	0.015	0.049	0.023	0	0	---	---	---	1922
1923	---	---	0.544	1.00	0.048	0.262	0.201	0.179	0	0	---	---	---	1923
1924	---	0.043	0.037	0.325	0.001	0.033	0	0.005	0	0	---	---	0.049	1924
1925	---	---	1.62	1.82	0.033	0.026	0	0.006	0.087	0.022	---	---	---	1925
1926	---	0.126	1.63	0.043	0.004	0.015	0	0.217	0.184	0	---	---	0.248	1926
1927	---	---	0.578	2.65	1.20	0.085	0.200	0.039	0.010	0.034	---	---	---	1927
1928	---	---	5.24	1.55	0.137	0.026	0.285	0.088	0	0	---	---	---	1928
1929	---	---	0.915	1.16	0.414	0.012	0	0	0	0	---	---	---	1929
1930	---	0.504	0.416	0.773	0.019	0.001	0.005	0	0.058	0.010	---	---	0.194	1930
1931	---	---	0.113	0.032	0	0	---	---	---	---	---	---	---	1931
1935	---	---	---	1.94	0.145	0.037	---	---	---	---	---	---	---	1935
1936	---	---	0.121	2.04	0.032	0.008	---	---	---	---	---	---	---	1936
1937	---	---	0.078	1.95	0.017	0.005	---	---	---	---	---	---	---	1937
1938	---	---	0.645	1.04	0.214	0.151	---	---	---	---	---	---	---	1938
1939	---	---	2.52	0.219	0.030	0.375	---	---	---	---	---	---	---	1939
1940	---	---	0	3.97	0.397	0.057	---	---	---	---	---	---	---	1940
1941	---	---	2.28	0.071	0.001	0.049	---	---	---	---	---	---	---	1941
1942	---	---	0.291	0.700	0.227	1.70	---	---	---	---	---	---	---	1942
1943	---	---	4.09	1.18	0.053	0.020	---	---	---	---	---	---	---	1943
1944	---	---	0.003	0.033	0	0.057	---	---	---	---	---	---	---	1944
1945	---	---	1.11	0.022	0	0	---	---	---	---	---	---	---	1945
1946	---	---	1.98	0.106	0	0.060	---	---	---	---	---	---	---	1946
1947	---	---	1.85	3.12	0.087	0.035	---	---	---	---	---	---	---	1947
1948	---	---	0.034	6.85	---	---	---	---	---	---	---	---	---	1948
1949	---	---	0.255	0.286	0	0	---	---	---	---	---	---	---	1949
1950	---	---	0.018	1.47	0.022	0	---	---	---	---	---	---	---	1950
1951	---	---	0	5.89	1.60	0	---	---	---	---	---	---	---	1951
1952	---	---	0.036	8.04	0.171	0.002	---	---	---	---	---	---	---	1952
1953	---	---	0.882	2.24	1.08	0.285	---	---	---	---	---	---	---	1953
1954	---	---	0.006	1.04	0.137	0	---	---	---	---	---	---	---	1954
1955	---	---	0.330	6.76	1.22	0.022	---	---	---	---	---	---	---	1955
1956	---	---	0.867	1.37	0.059	0.101	---	---	---	---	---	---	---	1956
1957	---	---	0.907	3.29	0.056	0.030	0	0	0	0	---	---	---	1957
1958	---	---	0.936	4.03	0.064	0.001	0	0	0	0	---	---	---	1958
1959	---	---	2.20	0.936	0.024	0.024	0.002	0	0	0	---	---	---	1959
1960	---	---	3.02	0.779	0.331	0.005	0	0.002	0	0	---	---	---	1960
1961	---	---	0.205	0	0	0	0.005	0	0	0	---	---	---	1961
1962	---	---	0.374	0.055	0	0.163	0.011	0	0	0	---	---	---	1962
1963	---	---	0.694	0.201	0.002	0.080	0.485	0	0	0	---	---	---	1963
1964	---	---	0.378	0.949	0.387	0	0	0	0.042	0	---	---	---	1964
1965	---	---	0	6.12	0.331	1.44	0.401	0.002	0.026	0.003	---	---	---	1965
1966	---	---	2.67	0.626	0.182	0.244	0.072	0	0	0	---	---	---	1966
1967	---	---	0.183	3.26	2.10	0.112	0	0	0	0	---	---	---	1967
1968	---	---	0.188	0.096	0.017	0.043	0	0	0.044	0	---	---	---	1968
1969	---	---	0.197	3.72	0.034	0.002	0.002	0	0	0	---	---	---	1969
1970	--	---	0.140	2.08	0.181	0.380	0.052	0	0	0	---	---	---	1970
1971	---	---	0.040	1.49	0.111	0.046	0.002	0	0	0	---	---	---	1971
1972	---	---	1.70	0.091	0.023	0	0	0	0	0	---	---	---	1972
1973	---	---	0.123	0	0	0.243	0	0	0	0	---	---	---	1973
1974	---	---	0.450	1.38	0.401	0.078	0.070	0	0	0	---	---	---	1974
1975	---	---	0	1.38	1.69	0.714	0.001	0.007	0	0.001	---	---	---	1975
1976	---	---	1.89	0.388	0.029	0.213	0.001	0.072	0	0	---	---	---	1976
1977	---	---	0.012	0	0.031	0.005	0.001	0	0	0	---	---	---	1977
1978	---	---	0.672	2.54	0.730	0.023	0.205	0	0.191	0	---	---	---	1978
1979	---	---	3.34	2.12	0.352	0.007	0.001	0	0	0	---	---	---	1979
1980	---	---	0.198	0.059	0	0	0	0	0	0	---	---	---	1980
1981	---	0.823	0.024	0	0.056	0.014	0.177	0	0	0	---	---	0.085	1981
1982	---	0	0.158	3.06	0.542	0.618	0.001	0.004	0	0	---	---	0.485	1982
1983	---	0.374	0.747	0.016	0.202	0.002	0.196	0	0	0	---	---	0.170	1983
1984	---	0	0.142	0.045	0.001	0	0	0	0	0	---	---	0.021	1984
1985	---	0	1.16	1.48	0.258	0.009	0	0	0.109	0	---	---	0.337	1985
1986	---	1.08	1.03	0.030	0.396	0.198	0	0	1.54	0.100	---	---	0.480	1986
MEAN	---	0.307	0.832	1.86	0.256	0.144	0.091	0.016	0.071	0.007	---	---	0.231	MEAN

LOCATION - LAT 49 21 30 N DRAINAGE AREA 339 km²
LONG 110 43 30 W NATURAL FLOW

MANYBERRIES CREEK AT BRODIN'S FARM - STATION NO. 05AF010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR FEB TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	6.23 E ON JUL 1	0 ON JUN 5 x	---	1911
1912	---	---	0 ON JUN 26	---	1912
1913	---	2.15 ON MAY 14	0 ON MAR 1	---	1913
1914	---	2.38 ON MAR 14	0 ON MAR 1	---	1914
1915	---	8.52 ON MAR 25	0 ON MAR 1	---	1915
1916	---	26.6 ON JUN 11	---	---	1916
1917	---	8.92 ON APR 9	0 ON MAR 1	---	1917
1919	---	10.4 ON APR 17	0 ON MAR 1	---	1919
1920	---	6.65 ON APR 14	0B ON MAR 1	---	1920
1921	52.1 AT 07 00 MST ON APR 14	41.3 ON APR 14	0 ON JUN 12	---	1921
1922	58.6 AT 19 00 MST ON APR 21	50.7 ON APR 21	0 ON MAR 1	---	1922
1923	14.6 AT 07 00 MST ON AUG 10	4.62 ON AUG 10	0B ON MAR 1	---	1923
1924	---	2.27 ON APR 7	0B ON FEB 1	1 150	1924
1925	21.2 B AT 07 00 MST ON MAR 30	13.4 B ON MAR 29	0B ON MAR 1	---	1925
1926	14.0 B ON MAR 3	7.96 B ON MAR 4	0 ON FEB 1	5 840	1926
1927	24.4 AT 13 00 MST ON MAY 23	17.5 ON MAY 23	0B ON MAR 1	---	1927
1928	59.7 B ON MAR 20	43.8 B ON MAR 21	0B ON MAR 1	---	1928
1929	13.0 AT 07 00 MST ON MAR 29	10.5 ON APR 30	0B ON MAR 1	---	1929
1930	6.20 ON APR 4	5.30 ON APR 3	0B ON FEB 1	4 580	1930
1931	---	0.654 ON MAR 20	0 ON MAR 10	---	1931
1935	22.5 AT 07 00 MST ON APR 17	17.0 E ON APR 16	0 ON JUN 11	---	1935
1936	---	11.8 ON APR 12	0B ON MAR 1	---	1936
1937	18.6 ON APR 10	13.8 ON APR 10	0B ON MAR 1	---	1937
1938	6.23 AT 08 00 MST ON APR 10	5.80 ON APR 10	0B ON MAR 1	---	1938
1939	20.4 B AT 08 00 MST ON MAR 22	16.4 B ON MAR 21	0B ON MAR 1	---	1939
1940	27.3 AT 11 00 MST ON APR 21	24.7 ON APR 21	0B ON MAR 1	---	1940
1941	---	14.0 ON MAR 20	0 ON MAR 1	---	1941
1942	31.1 AT 07 00 MST ON JUN 26	22.7 ON JUN 26	0B ON MAR 1	---	1942
1943	85.8 AT 07 00 MST ON MAR 29 x	54.1 ON MAR 29 x	0 ON MAR 1	---	1943
1944	---	1.41 ON JUN 13	0B ON MAR 1	---	1944
1945	3.54 AT 08 00 MST ON MAR 21	3.45 ON MAR 23	0B ON MAR 1	---	1945
1946	9.57 AT 08 00 MST ON MAR 20	9.46 ON MAR 20	0B ON MAR 1	---	1946
1947	27.3 AT 08 00 MST ON APR 2	20.7 ON APR 1	0B ON MAR 1	---	1947
1948	---	31.7 ON APR 17	0B ON MAR 1	---	1948
1949	---	1.59 ON MAR 25	0 ON MAR 1	---	1949
1950	---	8.13 ON APR 14	0 ON MAR 1	---	1950
1951	---	24.9 ON APR 5	0B ON MAR 1	---	1951
1952	---	24.3 ON APR 13	0B ON MAR 1	---	1952
1953	---	10.5 ON APR 24	0B ON MAR 1	---	1953
1954	---	8.50 B ON APR 9	0B ON APR 1	---	1954
1955	30.9 ON APR 8	27.1 ON APR 9	0B ON MAR 1	---	1955
1956	---	7.48 B ON MAR 26	0B ON MAR 1	---	1956
1957	19.3 AT 15 00 MST ON APR 1	15.5 ON APR 1	0B ON MAR 1	---	1957
1958	28.0 A AT 09 00 MST ON APR 4	24.5 A ON APR 4	0 ON MAY 29	---	1958
1959	15.7 B AT 23 00 MST ON MAR 26	10.8 ON MAR 27	0B ON MAR 1	---	1959
1960	15.0 AT 13 00 MST ON MAR 27	11.9 ON MAR 27	0B ON MAR 1	---	1960
1961	1.76 AT 01 15 MST ON MAR 17	1.23 ON MAR 17	0B ON MAR 7	---	1961
1962	8.30 AT 12 00 MST ON JUN 15	3.40 ON JUN 14	0B ON MAR 1	---	1962
1963	8.75 AT 11 00 MST ON JUL 1	6.71 ON JUL 1	0 ON MAY 9	---	1963
1964	8.29 AT 12 00 MST ON APR 2	5.61 ON APR 2	0 ON MAR 1	---	1964
1965	---	27.1 ON APR 14	0B ON MAR 1	---	1965
1966	---	7.85 ON MAR 31	0B ON MAR 1	---	1966
1967	14.8 AT 12 00 MST ON APR 28	11.3 ON APR 11	0B ON MAR 1	---	1967
1968	1.38 AT 03 00 MST ON JUN 9	0.7938 ON MAR 1	0B ON MAR 13	---	1968
1969	23.3 AT 04 00 MST ON APR 3	16.4 ON APR 3	0B ON MAR 1	---	1969
1970	32.6 AT 06 50 MST ON APR 7	16.4 ON APR 7	0B ON FEB 25	---	1970
1971	5.44 AT 09 30 MST ON APR 7	4.08 ON APR 7	0B ON MAR 1	---	1971
1972	24.0 AT 11 30 MST ON MAR 17	15.3 ON MAR 17	0B ON MAR 1	---	1972
1973	4.16 AT 08 45 MST ON JUN 16	2.61 ON JUN 16	0 ON MAR 24	---	1973
1974	7.48 AT 11 50 MST ON MAR 30	5.07 ON MAR 30	0B ON MAR 1	---	1974
1975	18.6 AT 03 30 MST ON JUN 20	11.6 ON JUN 20	0B ON MAR 1	---	1975
1976	23.7 B AT 03 50 MST ON MAR 18	12.7 B ON MAR 16	0B ON MAR 4	---	1976
1977	1.54 AT 07 00 MST ON MAY 16	0.753 ON MAY 16	0B ON MAR 18	---	1977
1978	8.58 AT 09 30 MST ON MAR 31	6.82 ON MAR 31	0B ON FEB 26	---	1978
1979	13.5 AT 16 15 MST ON MAR 16	12.3 ON MAR 17	0B ON FEB 26	---	1979
1980	---	---	---	---	1980
1981	5.10 AT 23 00 MST ON JUL 13	4.56 B ON FEB 19	0B ON FEB 1	2 240	1981
1982	---	16.8 B ON APR 14	0B ON FEB 1	11 400	1982
1983	---	6.45 B ON MAR 11	0B ON FEB 1	4 010	1983
1984	---	1.54 B ON MAR 21	0B ON FEB 1	449	1984
1985	12.1 AT 16 40 MST ON APR 2	7.53 ON APR 2	0B ON FEB 1	7 860	1985
1986	39.9 AT 16 05 MST ON SEP 25	17.6 ON SEP 26	0B ON FEB 6	11 300	1986
				5 440	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
x - EXTREME RECORDED FOR THE PERIOD OF RECORD

MARIE CREEK BELOW ETHEL LAKE - STATION NO. 06AC801

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	---	0.570	0.321	0.032	0.038	0.012	0.001	---	---	---	---	1981
1982	---	---	---	0	0	0.001	0.006	0.058	0.139	0.070	---	---	0.039	1982
MEAN	---	---	---	0.285	0.161	0.017	0.022	0.035	0.070	0.070	---	---	0.039	MEAN

LOCATION - LAT 54 31 25 N
LONG 110 19 41 W
NATURAL FLOW

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

MARIE CREEK BELOW ETHEL LAKE - STATION NO. 05AC901

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	0.921 AT 18:42 MST ON APR 24 *	0.632 ON APR 24 *	0 ON AUG 26 *	---	1981
1982	0.249 AT 09:02 MST ON SEP 14	0.231 ON SEP 25	0.06 ON APR 1	720	1982
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		720	MEAN

MARMOT CREEK MAIN STEM NEAR SEEBE - STATION NO. 05BF016

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1962	---	---	---	---	0.179	0.491	0.213	0.081	0.137	0.063	0.033	0.025	---	1962
1963	0.018	0.016	0.014	0.026	0.170	0.580	0.468	0.136	0.072	0.047	0.032	0.023	0.135	1963
1964	0.018	0.015	0.014	0.025	0.166	0.953	0.319	0.072	0.068	0.047	0.039	0.025	0.151	1964
1965	0.020	0.016	0.014	0.031	0.114	0.565	0.450	0.196	0.148	0.204	0.091	0.043	0.167	1965
1966	0.028	0.022	0.022	0.033	0.292	0.570	0.299	0.103	0.057	0.049	0.031	0.024	0.128	1966
1967	0.018	0.016	0.014	0.015	0.170	0.805	0.311	0.089	0.035	0.032	0.024	0.018	0.129	1967
1968	0.016	0.014	0.014	0.017	0.148	0.534	0.271	0.134	0.104	0.086	0.040	0.030	0.117	1968
1969	0.022	0.018	0.016	0.058	0.354	0.594	0.474	0.090	0.048	0.038	0.028	0.018	0.147	1969
1970	0.014	0.014	0.012	0.012	0.138	0.617	0.195	0.061	0.040	0.031	0.022	0.017	0.098	1970
1971	0.014	0.013	0.012	0.026	0.295	0.821	0.226	0.073	0.039	0.032	0.023	0.015	0.132	1971
1972	0.014	0.013	0.015	0.021	0.234	0.572	0.336	0.126	0.078	0.056	0.034	0.023	0.152	1972
1973	0.018	0.017	0.015	0.020	0.223	0.642	0.267	0.083	0.065	0.047	0.034	0.026	0.123	1973
1974	0.019	0.015	0.014	0.037	0.142	0.914	0.307	0.126	0.066	0.063	0.036	0.025	0.149	1974
1975	0.019	0.015	0.014	0.015	0.097	0.453	0.278	0.147	0.052	0.049	0.033	0.025	0.102	1975
1976	0.019	0.017	0.015	0.035	0.373	0.437	0.272	0.207	0.161	0.077	0.038	0.028	0.140	1976
1977	0.020	0.017	0.015	0.035	0.177	0.254	0.092	0.144	0.123	0.073	0.036	0.027	0.085	1977
1978	0.020	0.017	0.015	0.027	0.173	0.661	0.285	0.105	0.060	0.071	0.041	0.028	0.127	1978
1979	0.019	0.017	0.016	0.020	0.174	0.394	0.142	0.055	0.036	0.027	0.018	0.015	0.078	1979
1980	0.012	0.011	0.010	0.052	0.343	0.537	0.118	0.059	0.130	0.101	0.041	0.028	0.123	1980
1981	0.023	0.018	0.017	0.034	0.486	0.650	0.419	0.193	0.082	0.037	0.026	0.015	0.165	1981
1982	0.009	0.011	0.012	0.018	0.119	0.605	0.214	0.068	0.055	0.050	0.027	0.021	0.101	1982
1983	0.015	0.013	0.012	0.024	0.193	0.344	0.244	0.075	0.041	0.030	0.021	0.014	0.086	1983
1984	0.015	0.012	0.011	0.020	0.092	0.439	0.164	0.057	0.047	0.062	0.028	0.019	0.080	1984
1985	0.015	0.011	0.011	0.023	0.236	0.306	0.103	0.158	0.238	0.105	0.052	0.033	0.106	1985
1986	0.023	0.017	0.017	0.026	0.284	0.529	0.212	0.127	0.072	0.133	0.070	0.038	0.129	1986
MEAN	0.018	0.015	0.014	0.027	0.215	0.587	0.267	0.112	0.086	0.065	0.036	0.024	0.173	MEAN

LOCATION - LAT. 50 57 01 N DRAINAGE AREA 5.40 km^2
LONG 115 09 08 W NATURAL FLOW

MARMOT CREEK MAIN STEM NEAR SEEBE - STATION NO. 05BF016

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1962	0.631 ON JUN 17	0.620 ON JUN 18	---	---	1962
1963	1.75 AT 01:00 MST ON JUN 30	1.69 ON JUN 30	0.013 ON MAR 4	4 250	1963
1964	2.16 AT 07:30 MST ON JUN 6	1.95 ON JUN 6	0.010 ON MAR 24	4 750	1964
1965	1.76 AT 04:00 MST ON JUN 16	1.58 ON JUN 16	0.013 ON MAR 23	5 260	1965
1966	0.826 AT 20:00 MST ON MAY 31	0.661 ON JUN 1	0.016 ON MAR 14	4 040	1966
1967	1.08 AT 18:00 MST ON JUN 18	1.03 ON JUN 18	0.014 ON MAR 2	4 080	1967
1968	0.896 AT 20:30 MST ON JUN 2	0.759 ON JUN 3	0.012 ON FEB 18	3 700	1968
1969	1.08 AT 17:40 MST ON JUN 29	1.06 ON JUN 29	0.012 ON DEC 26	4 640	1969
1970	1.35 AT 17:10 MST ON JUN 16	1.28 ON JUN 16	0.010 ON JAN 6	3 080	1970
1971	2.39 AT 04:00 MST ON JUN 6 *	2.16 ON JUN 6 *	0.010 ON DEC 11	4 180	1971
1972	1.57 AT 17:00 MST ON JUN 10	1.45 ON JUN 10	0.012 ON FEB 14	4 800	1972
1973	1.05 AT 19:10 MST ON JUN 23	0.987 ON JUN 23	0.014 ON MAR 20	3 880	1973
1974	2.14 AT 17:10 MST ON JUN 17	1.95 ON JUN 17	0.013 ON MAR 13	4 890	1974
1975	0.748 AT 18:00 MST ON JUN 24	0.663 ON JUN 24	0.012 ON APR 4	3 220	1975
1976	0.660 AT 16:00 MST ON MAY 27	0.614 ON MAY 26	0.014 ON MAR 11	4 430	1976
1977	0.544 AT 22:00 MST ON JUN 1	0.456 ON JUN 5	0.014 ON MAR 15	2 680	1977
1978	1.17 AT 16:15 MST ON JUN 5	1.02 ON JUN 5	0.014 ON MAR 3	4 000	1978
1979	0.771 AT 17:00 MST ON MAY 26	0.593 ON MAY 27	0.013A ON DEC 10	2 460	1979
1980	0.925 AT 10:35 MST ON JUN 11	0.882 ON JUN 11	0.009E ON MAR 26	3 900	1980
1981	1.51 AT 16:40 MST ON MAY 26	1.42 ON MAY 26	0.005E ON DEC 31	5 230	1981
1982	1.09 AT 20:23 MST ON JUN 16	1.03 ON JUN 16	0.002 ON JAN 5 *	3 170	1982
1983	0.796 AT 19:38 MST ON MAY 29	0.639 ON MAY 29	0.010E ON DEC 24	2 720	1983
1984	0.784 AT 20:59 MST ON JUN 15	0.730 ON JUN 16	0.010 ON MAR 20	2 560	1984
1985	0.557 AT 16:48 MST ON MAY 25	0.543 ON MAY 25	0.009 ON FEB 10	3 410	1985
1986	1.44 AT 16:10 MST ON MAY 28	1.27 ON MAY 29	0.014 ON FEB 14	4 080	1986
	A - MANUAL GAUGE (SEE REFERENCE INDEX) E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		3 880	MEAN

MARMOT CREEK NEAR THE MOUTH - STATION NO. 05BF015

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1962	---	---	---	---	0.179	0.491	0.213	0.081	0.137	---	---	---	---	1962
MEAN	---	---	---	---	0.179	0.491	0.213	0.081	0.137	---	---	---	---	MEAN

LOCATION - LAT. 50 56 50 N DRAINAGE AREA 11.8 km^2
LONG 115 08 30 W NATURAL FLOW

MARMOT CREEK NEAR THE MOUTH - STATION NO. 05BF015

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1962	---	0.620 ON JUN 18 *	---	---	1962
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

MARTIN CREEK NEAR NORDEGG - STATION NO. 05DC003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	---	0.174	0.016	0.005	0.001	---	---	---	1915
1916	0	0	0	0.022	0.044	0.027	0.053	0.053	0.033	0.013	0.005	0	0.021	1916
1917	0	0	0	0.007	0.075	0.037	0.020	0.005	0.003	0.003	0.002	0	0.013	1917
1918	0	0	0.001	---	---	---	---	---	---	---	---	---	---	1918
MEAN	0	0	0	0.015	0.060	0.032	0.082	0.025	0.015	0.005	0.004	0	0.017	MEAN

LOCATION - LAT 52 28 00 N LONG 116 04 20 W
DRAINAGE AREA 3.03 km^2
NATURAL FLOW

MARTIN CREEK NEAR NORDEGG - STATION NO. 05DC003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	5.69 ON JUN 26 *	---	---	1915
1916	---	0.142 ON MAY 27	0B ON JAN 1 *	858	1916
1917	---	0.198 ON MAY 20	0 ON JAN 1	410	1917
1918	---	---	0B ON JAN 1	---	1918
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		534	MEAN

MARTINEAU RIVER ABOVE COLD LAKE - STATION NO. 06AF008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	---	---	---	---	---	---	3.46	2.71	3.27	2.17	---	1981
1982	1.34	1.10	1.30	11.6	29.3	17.4	16.6	18.1	10.3	7.86	5.24	4.80	10.5	1982
1983	4.80	4.61	5.06	8.59	9.63	8.19	19.8	15.7	9.83	7.28	5.58	4.07	8.86	1983
1984	2.51	2.67	4.84	11.4	23.4	29.6	11.0	7.03	4.86	4.28	4.20	3.25R	9.15R	1984
1985	2.23	2.22	2.47	11.1	37.2	21.7	11.0	8.98	5.98	5.24	3.47	1.78	9.33	1985
1986	2.27	2.12	5.81	9.20	18.0	20.0	---	---	16.8	12.6	9.21	8.24	---	1986
MEAN	2.65	2.54	3.90	10.4	23.5	19.4	14.8	12.0	8.54	6.86	5.15	4.05R	9.41	MEAN

LOCATION - LAT 54 41 10 N LONG 110 01 35 W
DRAINAGE AREA 5 350 km^2
NATURAL FLOW

R - REVISED SINCE JAN 1980

MARTINEAU RIVER ABOVE COLD LAKE - STATION NO. 06AF008

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	---	---	---	---	1981
1982	76.8B AT 07:00 MST ON APR 25 *	45.5B ON APR 26	1.09B ON FEB 13 *	331 000	1982
1983	34.9 AT 12:46 MST ON JUL 26	34.6 ON JUL 26	2.55B ON DEC 30	273 000	1983
1984	50.8 AT 15:17 MST ON JUN 1	49.7 ON JUN 1	2.30RB ON DEC 31	289 000R	1984
1985	53.0 AT 19:47 MST ON MAY 12	51.9 ON MAY 12 *	1.57B ON DEC 21	294 000	1985
1986	---	---	1.88B ON FEB 22	---	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD R - REVISED SINCE JAN 1 1986		297 000R	MEAN

MASKWA CREEK NO. 1 ABOVE BEARHILLS LAKE - STATION NO. 05FA014

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	0.002	0.011	0.012	---	---	---	1972
1973	---	---	0.024	0.051	0.008	0.020	0.161	0.034	0	0 R	---	---	0.037R	1973
1974	---	---	0	2.03	0.255	0.097	0.214	0.016	0.009	0.009	---	---	0.325	1974
1975	---	---	0.003	0.325	0.155	0.025	0.004	0.010	0.007	0.005	---	---	0.055	1975
1976	---	---	0.003	0.111	0.008	0.002	0	0	0	0	---	---	0.015	1976
1977	---	---	0.002	0.027	0.056	0.029	0.008	0.004	0.005	0.004	---	---	0.017	1977
1978	---	---	0.061	0.105	0.025	0.011	0.005	0.021	0.034	0.034	---	---	0.039	1978
1979	---	---	0.185	0.171	0.039	0.011	0.010	0.012	0.007	0.004	---	---	0.055	1979
1980	---	---	0.012	0.257	0.019	0.027	0.022	0.145	0.190	0.070	---	---	0.092	1980
1981	---	---	0.391	0.082	0.032	0.011	0.095	0.115	0.011	0.012	---	---	0.095	1981
1982	---	---	0	1.14	0.136	0.191	0.158	0.004	0.007	0.011	---	---	0.201	1982
1983	---	---	0.113	0.570	0.084	0.030	0.178	0.031	0.003	0.008	---	---	0.122	1983
1984	---	---	0.027	0.037	0.010	0.013	0	0	0.019	0.015	---	---	0.015	1984
1985	---	---	0.245	0.886	0.041	0.014	0.005	0.005	0.006	0.007	---	---	0.125	1985
1986	---	---	0.147	0.032	0.070	0.017	0.052	0.031	0.007	0.010	---	---	0.046	1986
MEAN	---	---	0.087	0.402	0.064	0.035	0.065	0.029	0.022	0.013R	---	---	0.089	MEAN

LOCATION - LAT 52 47 05 N DRAINAGE AREA, 73.3 km²
LONG 113 37 46 W NATURAL FLOW

R - REVISED SINCE JAN 1980

MASKWA CREEK NO. 1 ABOVE BEARHILLS LAKE - STATION NO. 05FA014

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1972	---	---	0 ON JUL 12 *	---	1972
1973	---	2.65 ON JUL 1	0 B ON MAR 1	791R	1973
1974	---	8.10 ON APR 20 *	0 B ON MAR 1	8 870	1974
1975	---	1.61 B ON APR 20	0.002 ON JUL 24	1 400	1975
1976	---	0.5078 ON APR 7	0 ON JUN 27	326	1976
1977	---	0.130 ON MAY 16	0.0018 ON MAR 1	354	1977
1978	---	0.2978 ON MAR 29	0 B ON MAR 1	530	1978
1979	1.288 AT 21 45 MST ON APR 16	0.9248 ON MAR 16	0 B ON MAR 1	1 160	1979
1980	1.06 AT 10 45 MST ON AUG 28	0.788 ON AUG 28	0 B ON MAR 1	1 940	1980
1981	---	1.38 B ON MAR 15	0 ON SEP 12	2 080	1981
1982	5.45 AT 19 50 MST ON APR 21 *	5.26 ON APR 22	0 B ON MAR 1	4 360	1982
1983	1.998 AT 08 40 MST ON APR 2	1.47 B ON APR 2	0 ON AUG 29	2 590	1983
1984	---	0.1138 ON MAR 30	0 B ON MAR 1	318	1984
1985	2.73 AT 01 45 MST ON APR 4	2.64 ON APR 4	0 ON JUL 11	2 850	1985
1986	---	0.2918 ON MAR 21	0 ON JUN 22	975	1986
				1 690R	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1 1986

MASKWA CREEK NO. 2 ABOVE BEARHILLS LAKE - STATION NO. 05FA015

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	---	0.006	0.010	---	---	---	1972
1973	---	---	0.037	0.088	---	---	---	---	---	---	---	---	---	1973
MEAN	---	---	0.037	0.088	---	---	---	---	0.006	0.010	---	---	---	MEAN

LOCATION - LAT 52 48 50 N DRAINAGE AREA, 102 km²
LONG 113 37 00 W NATURAL FLOW

MASKWA CREEK NO. 2 ABOVE BEARHILLS LAKE - STATION NO. 05FA015

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1972	---	---	---	---	1972
1973	---	---	0B ON MAR 1 *	---	1973
				---	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MATZHIWIN CREEK ABOVE WARE COULEE - STATION NO. 05CJ007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1954	---	---	---	---	1.21	3.42	4.81	10.0	3.30	3.47	---	---	---	1954
1955	---	---	---	---	2.21	2.87	4.63	5.08	1.15	1.73	---	---	---	1955
1956	---	---	---	---	0.655	5.85	5.73	4.30	4.82	4.76	---	---	---	1956
1957	---	---	---	---	0.770	5.70	5.28	4.18	1.97	3.72	---	---	---	1957
1958	---	---	---	---	1.29	7.12	6.18	5.05	1.88	1.72	---	---	---	1958
1959	---	---	---	---	1.06	3.35	5.76	5.67	1.85	2.89	---	---	---	1959
1960	---	---	---	---	0.504	5.15	7.82	5.84	2.35	3.01	---	---	---	1960
1961	---	---	---	---	0.605	5.85	8.00	5.96	3.06	3.02	---	---	---	1961
1962	---	---	---	---	2.26	6.72	8.22	6.04	1.89	2.97	---	---	---	1962
1963	---	---	---	---	1.08	7.85	4.30	5.89	1.90	3.71	---	---	---	1963
1964	---	---	---	---	1.50	7.40	6.38	5.62	1.96	2.52	---	---	---	1964
1965	---	---	---	---	0.715	7.05	6.22	5.23	2.21	3.17	---	---	---	1965
1966	---	---	---	---	0.882	6.62	6.14	5.72	2.64	4.18	---	---	---	1966
1967	---	---	---	---	2.47	6.05	6.47	5.29	4.89	4.17	---	---	---	1967
1968	---	---	---	---	3.00	6.37	6.20	5.75	3.89	4.20	---	---	---	1968
1969	---	---	---	---	2.04	6.01	6.32	5.79	2.84	3.79	---	---	---	1969
1970	---	---	0.387	0.855	1.05	5.44	6.05	6.27	3.38	2.53	---	---	3.01	1970
1971	---	---	0.883	8.72	1.28	6.10	7.33	7.10	3.79	3.31	---	---	4.83	1971
1972	---	---	1.36	0.872	2.50	7.81	8.97	6.88	4.09	2.78	---	---	4.37	1972
1973	---	---	0.918	0.719	1.80	5.92	6.56	6.77	4.27	3.95	---	---	3.74	1973
1974	---	---	0	3.32	1.17	8.31	7.76	7.14	5.14	3.74	---	---	4.31	1974
1975	---	---	0	1.24	1.81	2.91	5.87	6.28	3.59	2.78	---	---	3.04	1975
1976	---	---	1.81	1.27	2.73	8.86	7.47	5.15	3.07	2.61	---	---	3.95	1976
1977	---	---	0.133	0.513	2.48	6.88	6.86	4.10	1.84	1.55	---	---	2.79	1977
1978	---	---	0.589	1.44	0.582	2.14	6.05	5.71	3.13	2.54	---	---	2.85	1978
1979	---	---	0.742	0.443	0.482	6.37	7.67	6.71	3.70	2.80	---	---	3.47	1979
1980	---	---	0.238	2.15	3.22	6.47	8.62	6.00	3.08	2.33	---	---	3.77	1980
1981	---	---	0.807	0.313	0.795	7.76	7.96	6.84	3.43	2.92	---	---	3.65	1981
1982	---	---	0.340	0.850	1.88	6.38	7.13	7.03	3.78	3.32	---	---	3.77	1982
1983	---	---	0.856	0.589	2.07	7.55	7.06	6.39	3.18	2.93	0.348	---	3.82	1983
1984	---	---	0.400	0.358	1.78	6.80	8.45	6.88	2.78	2.06	0.142	---	3.45	1984
1985	---	---	1.24	0.920	1.12	6.25	7.30	6.74	2.88	1.17	---	---	3.70	1985
1986	---	---	0.374	0.174	0.621	7.06	7.80	6.67	3.50	1.11	0.317	---	3.15	1986
MEAN	---	---	0.809	1.43	1.52	6.03	6.70	5.93	2.99	2.85	0.269	---	3.81	MEAN

LOCATION - LAT 50 50 30 N DRAINAGE AREA, 2 480 km²
LONG 111 55 46 W REGULATED

MATZHIWIN CREEK ABOVE WARE COULEE - STATION NO. 05CJ007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1954	---	39.9 ON AUG 7 *	---	---	1954
1955	---	14.7 ON MAY 17	0 3N SEP 7 *	---	1955
1956	---	14.4 ON AUG 3	---	---	1956
1957	---	10.3 ON JUL 22	---	---	1957
1958	---	12.3 ON JUL 1	---	---	1958
1959	---	7.89 ON AUG 2	---	---	1959
1960	---	12.3 ON JUL 3	---	---	1960
1961	---	10.1 ON JUL 18	---	---	1961
1962	---	11.0 ON JUL 15	---	---	1962
1963	---	19.5 ON JUN 23	---	---	1963
1964	---	32.0 ON JUN 17	---	---	1964
1965	---	13.2 ON JUN 18	---	---	1965
1966	---	10.8 ON JUN 25	---	---	1966
1967	---	---	---	---	1967
1968	---	17.0 ON SEP 23	---	---	1968
1969	---	20.5 ON JUN 30	---	---	1969
1970	18.1 AT 13:30 MST ON JUN 14 *	17.3 ON JUN 14	0 B ON MAR 1	83 600	1970
1971	---	31.1 B ON APR 8	0 B ON MAR 1	88 000	1971
1972	---	11.0 ON JUL 25	0 B ON MAR 1	82 500	1972
1973	18.7 AT 17:00 MST ON JUN 16	17.2 ON JUN 16	0 B ON MAR 1	78 200	1973
1974	12.1 B AT 10:50 MST ON APR 8	9.43 ON JUN 27	0 B ON MAR 1	91 300	1974
1975	---	9.28A ON AUG 4	0 B ON MAR 1	84 200	1975
1976	10.4 AT 07:30 MST ON JUN 26	10.3 ON JUN 26	0 B ON MAR 1	83 500	1976
1977	9.12 AT 00:30 MST ON JUL 12	8.55 ON JUL 12	0.0145 ON MAR 1	58 100	1977
1978	13.2 AT 18:50 MST ON AUG 24	11.9 ON AUG 24	0 B ON MAR 1	84 100	1978
1979	12.7 AT 07:30 MST ON AUG 4	12.4 ON AUG 4	0 B ON MAR 1	73 400	1979
1980	11.4 AT 15:00 MST ON MAY 26	11.4 ON MAY 26	0 B ON MAR 1	78 800	1980
1981	12.7 AT 02:40 MST ON JUN 15	12.5 ON JUN 15	0.131 ON MAY 5	77 800	1981
1982	14.0 AT 08:02 MST ON JUL 3	13.8 ON JUL 3	0 B ON MAR 1	78 900	1982
1983	12.3 AT 18:41 MST ON JUL 3	12.0 ON JUL 4	0.1128 ON MAR 7	81 100	1983
1984	17.3 AT 15:32 MST ON JUL 31	16.7 ON JUL 31	0.0388 ON MAR 18	73 000	1984
1985	---	10.5 ON JUN 5	0 B ON MAR 1	78 300	1985
1986	---	11.1 ON SEP 27	0.101 ON MAY 6	66 700	1986
				78 300	MEAN

A - MANUAL GAUGE B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
(SEE REFERENCE INDEX)

MATZHIWIN CREEK NEAR DUCHESS - STATION NO. 05CJ005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1951	---	---	---	---	---	7.37	6.73	6.40	1.41	4.53	---	---	---	1951
1952	---	---	---	---	---	11.3	9.08	6.72	4.17	---	---	---	---	1952
MEAN	---	---	---	---	---	9.34	7.91	7.56	2.79	4.53	---	---	---	MEAN

LOCATION - LAT 50 49 10 N
LONG 111 49 40 W
DRAINAGE AREA, 2 620 km²
NATURAL FLOW

MATZHIWIN CREEK NEAR DUCHESS - STATION NO. 05CJ005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1951	---	---	0 ON SEP 11 *	---	1951
1952	---	---	---	---	1952
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

MAYNARD COULEE NEAR ONEFOUR POST OFFICE - STATION NO. 11AA024

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1925	---	0.002	0.064	0.020	---	---	---	---	0.004	0.004	---	---	---	1925
1926	---	0.002	0.020	---	---	---	---	---	---	---	---	---	---	1926
1927	---	---	0.003	0.020	0.036	0.001	0.038	0.018	0.002	0	---	---	---	1927
1928	---	---	0.003	---	---	---	---	---	---	---	---	---	---	1928
1930	---	0.049	0	0	0	---	---	---	---	---	---	---	---	1930
MEAN	---	0.018	0.014	0.013	0.048	0.001	0.038	0.018	0.003	0.002	---	---	---	MEAN

LOCATION - LAT 49 06 10 N
LONG 110 28 30 W
DRAINAGE AREA, 20.5 km²
NATURAL FLOW

MAYNARD COULEE NEAR ONEFOUR POST OFFICE - STATION NO. 11AA024

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1925	---				
1926	---	0.314 ON APR 23	0B ON FEB 1 *	---	1925
1927	---	---	0B ON FEB 1	---	1926
1928	---	0.991E ON MAY 23 *	0B ON MAR 1	---	1927
1930	---	---	0B ON MAR 1	---	1928
		0.303B ON FEB 18	0B ON FEB 1	---	1930
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

MCALPINE CREEK (EAST FORK) NEAR ELKWATER LAKE - STATION NO. 05AH043

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR FEB TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	---	---	---	0.002	0	0	0	0	---	---	---	1976
1977	---	---	0.001	0.005	0.001	0	0	0	0	0	---	---	---	1977
1978	---	---	0.030	0.010	0.003	0.003	0	0	0	0	---	---	---	1978
1979	---	---	0.150	0.098	0.048	0	0.005	0	0.001	0.001	---	---	---	1979
1980	---	---	0.002	0	0	0	0	0	0	0	---	---	---	1980
1981	---	0.001	0	0	0	0.005	0	0	0	0	---	---	---	1981
1982	---	0.002	0.039	0.077	0.034	0.288	0.010	0	0	0	---	---	0.001	1982
1983	---	0.002	0.005	0.007	0.070	0.005	0.005	0	0	0	---	---	0.047	1983
1984	---	0	0.003	0.008	0	0	0	0	0	0	---	---	0.011	1984
1985	---	0	0.012	0.078	0.062	0.002	0	0	0	0	---	---	0.001	1985
1986	---	0.018	0.008	0	0.032	0.007	0	0	0.058	0.010	---	---	0.017	1986
MEAN	---	0.006	0.018	0.026	0.026	0.027	0.002	0	0.005	0.001	---	---	0.015	MEAN

LOCATION - LAT 49 47 40 N
LONG 110 11 03 W
DRAINAGE AREA, 20.5 km²
REGULATED

MCALPINE CREEK (EAST FORK) NEAR ELKWATER LAKE - STATION NO. 05AH043

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR FEB TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1976	---	---			
1977	0.078 AT 19:30 MST ON APR 5	0.037 ON APR 5	0E ON JUN 1 *	---	1976
1978	---	0.0838 ON MAR 18	0B ON FEB 24	---	1977
1979	---	0.3618 ON MAR 5	0B ON MAR 1	---	1978
1980	---		0B ON FEB 27	---	1979
1981	0.198 AT 11:10 MST ON JUN 14	0.0148 ON MAR 18	0B ON MAR 1	---	1980
1982	2.11 AT 21:05 MST ON JUN 3 *	0.132 ON JUN 14	0E ON FEB 1	15.0	1981
1983	0.341 AT 21:04 MST ON MAY 15	1.44 ON JUN 3 *	0B ON FEB 1	1 100	1982
1984	---	0.210 ON MAY 15	0B ON FEB 1	254	1983
		0.0138 ON MAR 19	0B ON FEB 1	29.3	1984
1985	0.788 AT 19:20 MST ON MAY 13	0.294 ON MAY 14	0B ON FEB 1	406	1985
1986	2.01 AT 07:57 MST ON SEP 25	1.23 ON SEP 25	0B ON FEB 1	348	1986
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		359	MEAN

MCALPINE CREEK AT SCHNELL'S RANCH - STATION NO. 05AH007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1913	---	---	---	0.150	0.034	0	0	---	---	---	---	---	---	1913
1914	---	---	0.058	0.082	0.001	0	0	0	0	0.089	---	---	---	1914
MEAN	---	---	0.058	0.116	0.018	0	0	0	0	0.089	---	---	---	MEAN

LOCATION - LAT 49 51 30 N
LONG 110 03 40 W
DRAINAGE AREA, 124 km^2
NATURAL FLOW

MCALPINE CREEK AT SCHNELL'S RANCH - STATION NO. 05AH007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1913	---				
1914	---	0.447 ON APR 5	0 ON APR 28 *	---	1913
		0.983 ON OCT 8 *	0 ON MAR 1	---	1914
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

MCGILLIVRAY CREEK NEAR COLEMAN - STATION NO. 05AA013

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1913	---	---	---	---	---	---	---	---	0.231	0.307	---	---	---	1913
1914	---	---	---	---	1.42	0.917	0.387	0.191	0.188	0.439	---	---	0.588	1914
1915	---	---	---	---	1.31	---	---	---	---	---	---	---	---	1915
1975	---	---	---	---	---	---	---	---	---	0.117	---	---	---	1975
1976	---	---	---	---	1.48	0.720	0.310	0.883	0.230	0.102	---	---	0.834	1976
1977	---	---	---	---	0.384	0.270	0.082	0.092	0.107	0.088	---	---	0.188	1977
1978	---	---	---	---	1.07	1.12	0.553	0.220	0.110	0.098	---	---	0.528	1978
1979	---	---	---	---	1.02	0.885	0.158	0.087	0.067	0.052	---	---	0.384	1979
1980	---	---	---	---	0.970	0.550	0.174	0.087	0.082	0.084	---	---	0.321	1980
1981	---	---	---	---	1.85	1.25	0.352	0.143	0.084	0.081	---	---	0.628	1981
1982	---	---	---	---	---	---	---	0.089	0.059	0.074	---	---	---	1982
1983	---	---	---	---	0.631	0.845	0.235	0.108	0.072	0.081	---	---	0.285	1983
1984	---	---	---	---	0.373	0.718	0.173	0.077	0.061	0.088	---	---	0.243	1984
1985	---	---	---	---	0.788	0.533	0.132	0.105	0.178	0.201	---	---	0.318	1985
1986	---	---	---	---	2.49	1.21	0.230	0.091	0.104	0.152	---	---	0.714	1986
MEAN	---	---	---	---	1.15	0.811	0.253	0.188	0.119	0.138	---	---	0.438	MEAN

LOCATION - LAT 49 38 04 N
LONG 114 31 12 W
DRAINAGE AREA, 32.6 km^2
NATURAL FLOW

MCGILLIVRAY CREEK NEAR COLEMAN - STATION NO. 05AA013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1913	---	---	---	---	1913
1914	---	1.95 ON MAY 3	0.091 ON SEP 10	9 380	1914
1915	---	---	---	---	1915
1975	---	---	---	---	1975
1976	4.78 AT 14:40 MST ON AUG 8	2.81 ON AUG 8	0.082 ON OCT 15	10 100	1976
1977	0.750 AT 02:30 MST ON MAY 11	0.711 ON MAY 11	0.023 ON AUG 11 *	2 870	1977
1978	4.11 AT 01:00 MST ON JUN 6	2.66 ON JUN 6	0.068A ON OCT 31	8 380	1978
1979	3.58 AT 22:10 MST ON MAY 26	2.93 ON MAY 26	0.041 ON SEP 25	6 250	1979
1980	1.87 AT 03:30 MST ON MAY 27	1.86 ON MAY 27	0.033 ON SEP 11	5 100	1980
1981	8.89 AT 08:00 MST ON MAY 26 *	6.03 ON MAY 26	0.049 ON SEP 19	9 990	1981
1982	---	---	---	---	1982
1983	1.70 AT 03:46 MST ON MAY 30	1.52 ON MAY 29	0.085 ON OCT 31	4 680	1983
1984	---	1.09 E ON MAY 31	0.0348 ON OCT 28	3 870	1984
1985	1.88 AT 17:30 MST ON MAY 19	1.88 ON MAY 20	0.075 ON AUG 1	5 070	1985
1986	8.21 AT 23:45 MST ON MAY 27	5.73 ON MAY 27 *	0.070 ON AUG 29	11 300	1986
				6 980	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MCGREGOR LAKE INFLOW NEAR MILO - STATION NO. 05AC024

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	---	0	9.15	28.3	27.4	25.5	25.7	28.2	3.34	---	18.5	1976
1977	---	---	---	10.4	20.6	30.6	15.4	19.5	23.6	28.7	8.86	---	19.7	1977
1978	---	---	---	2.03	20.0	7.33	28.1	26.7	9.54	0.034	0	---	11.6	1978
1979	---	---	---	0	10.6	28.4	29.2	25.1	19.7	4.32	0	---	14.7	1979
1980	---	---	---	0	25.2	32.6	28.2	26.6	24.7	5.27	0	---	17.6	1980
1981	---	---	---	0.232	26.9	26.0	26.1	32.4	29.4	19.8	0.010	---	20.6	1981
1982	---	---	---	0	14.6	29.6	26.6	27.6	27.3	9.67	0	---	17.3	1982
1983	---	---	---	0	18.9	26.6	33.6	26.6	23.0	33.0	1.36	---	19.6	1983
1984	---	---	---	4.01	21.6	32.0	27.4	26.0	26.7	21.6	---	---	---	1984
1985	---	---	---	0	26.6	33.0	26.7	25.0	31.0	14.9	0	---	20.3	1985
1986	---	---	---	1.87	29.2	34.6	33.7	31.2	14.7	0.221	---	---	---	1986
MEAN	---	---	---	1.89	20.6	26.2	26.2	26.9	23.4	16.1	1.49	---	17.6	MEAN

LOCATION - LAT 50 36 20 N
LONG 112 55 25 W
REGULATED SINCE 1976

MCGREGOR LAKE INFLOW NEAR MILO - STATION NO. 05AC024

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1976	---	30.6 ON OCT 14	0 ON APR 1 *	380 000	1976
1977	---	34.3 ON NOV 6	0 ON APR 1	416 000	1977
1978	---	30.6 ON JUL 10	0 ON APR 1	349 000	1978
1979	---	31.9 ON JUN 15	0 ON APR 1	311 000	1979
1980	---	36.1 ON MAY 22	0 ON APR 1	377 000	1980
1981	---	36.0 ON JUL 6	0 ON APR 1	431 000	1981
1982	---	33.0 ON MAY 25	0E ON APR 1	384 000	1982
1983	---	35.5 ON JUL 4	0 ON APR 1	412 000	1983
1984	---	36.6 ON JUN 9 *	0 ON APR 1	---	1984
1985	---	35.1 ON MAY 29	0 ON APR 1	429 000	1985
1986	---	35.5 ON JUN 4	0 ON APR 1	---	1986
				375 000	MEAN

E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MCGREGOR TRAVERS CANAL NEAR CHAMPION - STATION NO. 05AC025

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	---	5.52	23.1	36.7	26.3	21.9	11.9	10.5	---	---	18.4	1976
1977	---	---	---	18.9	19.3	36.0	38.4	33.4	13.1	0.544	---	---	22.8	1977
1978	---	---	---	2.48	1.84	6.82	37.2	23.1	4.22	0	---	---	11.2	1978
1979	---	---	---	0	8.35	32.1	47.4	18.7	4.18	8.43	---	---	17.3	1979
1980	---	---	---	7.04	26.7	35.8	47.8	30.2	12.1	0	---	---	20.0	1980
1981	---	---	---	10.8	17.1	36.5	44.7	23.4	26.0	5.49	---	---	22.5	1981
1982	---	---	---	3.39	18.7	27.9	40.3	30.4	15.4	4.12	---	---	20.1	1982
1983	---	---	---	0	19.5	46.1	40.3	27.8	15.5	0	---	---	21.3	1983
1984	---	---	---	8.96	21.5	43.5	50.5	29.4	4.06	0	---	---	22.6	1984
1985	---	---	---	5.05	24.5	47.4	50.9	27.3	1.96	3.70	---	---	23.1	1985
1986	---	---	---	11.5	19.0	45.0	44.5	19.0	5.00	0.253	---	---	20.6	1986
MEAN	---	---	---	6.70	18.1	34.5	43.6	25.0	10.3	3.08	---	---	20.1	MEAN

LOCATION - LAT 50 15 15 N
LONG 112 49 00 W
REGULATED

MCGREGOR TRAVERS CANAL NEAR CHAMPION - STATION NO. 05AC025

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1976	---	38.5 ON JUN 15	0E ON APR 1 *	380 000	1976
1977	---	46.4 ON APR 28	0 ON APR 1	422 000	1977
1978	---	38.2 ON JUL 18	0E ON APR 1	206 000	1978
1979	---	51.1 ON JUL 21	0 ON APR 1	319 000	1979
1980	---	49.7 ON JUN 26	0E ON APR 1	370 000	1980
1981	---	47.9 ON JUL 10	0 ON APR 1	417 000	1981
1982	---	46.9 ON JUN 27	0 ON APR 1	372 000	1982
1983	---	53.6 ON JUN 22	0 ON APR 1	384 000	1983
1984	---	54.1 ON JUL 13 *	0 ON APR 1	418 000	1984
1985	---	51.5 ON JUN 25	0 ON APR 1	426 000	1985
1986	---	48.3 ON JUN 28	0 ON APR 1	382 000	1986
				371 000	MEAN

E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MCINTOSH SPRING NO. 1 NEAR NANTON - STATION NO. 05AB036

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	---	---	---	---	0.004	0.002	0.002	0.008	0.007	0.004	---	1968
1969	0.003	0.002	0.001	0.011	0.014	0.010	0.015	0.005	0.003	0.001	0.001	0.001	0.005	1969
1970	0	0	0	0	0.003	0.008	0.005	0.002	0.001	0.001	0.001	0.001	0.002	1970
1971	0.001	0.001	0.001	0.002	0.003	0.008	0.004	0.001	0.001	0.001	0.001	0.001	0.002	1971
1972	0.001	0	0.001	0.003	0.012	0.014	0.005	0.002	0.002	0.001	0.001	0.001	0.004	1972
1973	0.001	0.001	0.001	0.002	0.010	0.012	0.005	0.002	0.001	0.001	0.001	0.001	0.003	1973
1974	0.001	0.001	0.001	0.001	0.011	0.014	0.005	0.002	0.001	0.001	0.001	0.001	0.003	1974
1975	0.001	0.001	0	0	0.009	0.013	0.008	0.003	0.001	0	0	0	0.003	1975
1976	---	0.001	0.001	0.002	---	0.005	0.003	0.005	0.005	0.002	0.001	0.001	---	1976
1977	0.001	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0	---	---	---	1977
MEAN	0.001	0.001	0.001	0.002	0.008	0.008	0.006	0.003	0.002	0.002	0.002	0.001	0.003	MEAN

LOCATION - LAT 50 06 33 N
LONG 114 02 12 W

NATURAL FLOW

MCINTOSH SPRING NO. 1 NEAR NANTON - STATION NO. 05AB036

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	---	---	---	1968
1969	---	0.021 ON JUL 2	0.001 ON FEB 20	180	1969
1970	---	0.008 ON JUN 23	0 ON JAN 5 *	55.3	1970
1971	0.008 AT 01:00 MST ON JUN 18	0.009 ON JUN 18	0 E ON JAN 1	81.2	1971
1972	0.023 AT 00:30 MST ON MAY 30 *	0.023 ON MAY 29 *	0 E ON JAN 31	113	1972
1973	0.018 AT 23:00 MST ON MAY 31	0.018 ON MAY 31	0.001E ON JAN 1	88.3	1973
1974	0.020 AT 08:10 MST ON MAY 24	0.020 ON MAY 23	0.001E ON JAN 1	110	1974
1975	0.018 AT 20:00 MST ON MAY 25	0.016 ON MAY 26	0 E ON MAR 11	102	1975
1976	0.007 AT 13:30 MST ON AUG 25	0.007 ON AUG 22	0 ON FEB 16	---	1976
1977	---	0.001 ON JAN 1	0 ON JAN 27	---	1977
				103	MEAN

E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MCLEOD RIVER ABOVE EMBARRAS RIVER - STATION NO 07AF002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1954	---	---	---	---	---	---	---	---	---	---	13.5	4.50	---	1954
1955	2.58	2.72	3.28	13.8	45.4	91.0	39.9	14.3	8.40	9.19	4.20	2.87	19.9	1955
1956	2.74	2.16	2.30	11.0	33.4	33.9	17.8	15.5	14.6	8.80	3.11	4.20	13.0	1956
1957	2.44	2.49	3.79	17.0	55.8	30.4	26.2	33.9	26.2	19.2	13.9	7.39	20.0	1957
1958	5.88	4.04	3.04	23.3	52.5	59.0	53.2	8.43	8.90	5.85	3.28	1.63	19.1	1958
1959	2.69	2.30	2.85	13.1	36.8	88.3	29.6	11.3	19.2	21.6	13.1	5.92	20.5	1959
1960	4.02	2.85	3.56	8.38	38.8	81.2	43.7	14.8	8.77	7.73	4.99	3.24	18.5	1960
1961	2.30	1.50	2.88	7.21	23.9	22.3	27.3	21.8	8.99	17.1	12.1	6.05	12.9	1961
1962	2.81	2.87	4.02	30.5	56.0	43.0	43.2	25.9	23.8	12.6	10.4	3.81	21.7	1962
1963	2.25	2.43	2.91	20.5	43.4	33.5	22.7	8.21	9.30	6.66	3.81	2.33	13.2	1963
1964	2.20	2.45	2.34	5.40	54.0	92.2	23.8	16.2	59.3	31.8	11.1	5.37	25.4	1964
1965	2.26	2.62	3.15	18.5	84.0	106	97.8	23.7	86.1	25.7	10.8	7.61	35.8	1965
1966	2.90	3.67	4.13	9.34	65.5	35.7	56.9	58.0	25.9	15.9	10.7	5.84	24.8	1966
1967	3.07	2.33	3.45	7.90	45.7	85.4	20.7	10.9	4.98	4.73	3.09	2.10	16.2	1967
1968	1.45	1.13	11.7	16.2	36.4	38.2	39.2	36.8	15.5	9.61	4.83	2.95	17.7	1968
1969	2.34	1.45	3.45	22.3	29.5	25.5	67.0	105	20.4	16.3	12.4	3.54	26.0	1969
1970	1.93	2.73	3.16	7.62	40.5	44.3	13.6	8.17	5.72	4.10	2.32	1.92	11.4	1970
1971	1.60	1.68	1.87	22.6	42.0	102	76.1	14.9	11.4	12.5	6.15	3.27	24.8	1971
1972	2.47	2.23	2.37	7.73	82.5	84.7	43.2	16.3	22.9	37.4	11.0	5.80	24.9	1972
1973	4.46	3.42	3.43	14.9	84.0	46.9	21.8	13.2	8.87	10.4	5.41	4.21	18.5	1973
1974	2.71	2.96	3.16	24.3	75.1	52.4	30.4	17.1	18.7	11.8	6.26	3.92	20.8	1974
1975	2.00	1.53	1.46	4.32	29.7	30.0	24.3	8.09	6.99	4.84	2.76	2.48	9.93	1975
1976	1.81	1.98	1.87	14.9	32.2	29.5	18.7	45.7	17.2	9.84	5.03	4.05	15.3	1976
1977	2.15	2.48	1.93	8.18	86.5	61.0	46.3	43.8	48.8	26.1	5.98	4.48	28.3	1977
1978	3.01	2.63	2.70	19.4	52.4	71.2	49.3	21.8	42.8	19.2	8.13	4.54	24.8	1978
1979	1.78	1.82	4.18	9.89	40.7	40.1	24.6	14.0	7.42	6.82	3.54	2.81	13.2	1979
1980	1.80	2.08	2.04	21.2	31.8	203	60.2	28.0	34.8	17.8	12.8	6.68	35.0	1980
1981	3.57	2.64	3.55	8.92	35.8	33.1	37.5	30.4	14.3	10.4	7.51	2.16	15.9	1981
1982	1.32	1.26	1.52	4.83	45.3	46.2	111	36.2	29.9	39.8	12.5	5.11	28.2	1982
1983	3.61	2.74	3.50	14.3	28.1	34.8	36.5	8.64	8.12	6.08	6.63	2.49	12.8	1983
1984	2.39	2.17	2.83	14.8	28.0	43.0	13.7	6.37	28.7	30.7	7.24	4.05	15.4	1984
1985	3.76	1.76	3.23	11.0	24.0	36.0	18.8	36.8	44.0	21.1	11.4	5.07	18.1	1985
1986	4.51	2.68	4.14	10.3	41.9	30.9	107	25.3	23.9	40.1	9.87	5.72	25.8	1986
MEAN	2.72	2.37	3.24	13.9	45.7	57.9	41.9	24.4	21.6	15.3	8.06	4.18	20.2	MEAN

LOCATION - LAT 53 28 12 N DRAINAGE AREA 2 560 km²
LONG 116 37 45 W NATURAL FLOW

MCLEOD RIVER ABOVE EMBARRAS RIVER - STATION NO 07AF002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1954	---	---	---	---	1954
1955	250 AT 16 30 MST ON JUN 1	247 ON JUN 1	1.44 B ON JAN 2	628 000	1955
1956	---	88.5 ON JUN 6	1.81 B ON MAR 16	410 000	1956
1957	133 AT 16 00 MST ON MAY 1	131 ON MAY 2	1.64 B ON JAN 28	632 000	1957
1958	416 AT 11 30 MST ON JUN 29	371 ON JUN 29	1.10 B ON DEC 7	605 000	1958
1959	289 AT 14 30 MST ON JUN 27	267 ON JUN 27	1.02 B ON FEB 24	648 000	1959
1960	326 AT 15 00 MST ON JUN 26	284 ON JUN 26	2.21 B ON FEB 1	585 000	1960
1961	124 AT 20 00 MST ON JUL 30	118 ON JUL 30	1.16 B ON FEB 19	408 000	1961
1962	---	114 ON MAY 20	1.22 B ON MAR 3	584 000	1962
1963	---	77.3 ON APR 30	1.76 B ON JAN 15	417 000	1963
1964	---	214 ON JUN 19	1.66 B ON JAN 15	805 000	1964
1965	---	413 ON JUN 1	1.66 B ON JAN 11	1 130 000	1965
1966	---	260 ON MAY 11	2.78 B ON JAN 12	783 000	1966
1967	---	170 ON JUN 10	1.42 B ON JAN 26	511 000	1967
1968	---	86.1 ON JUL 23	0.481B ON JAN 31 *	561 000	1968
1969	---	806 ON AUG 6	1.33 B ON FEB 8	820 000	1969
1970	---	176 ON JUN 17	1.84 B ON JAN 19	359 000	1970
1971	---	270 ON JUN 10	1.36 ON JAN 18	781 000	1971
1972	---	345 ON JUN 26	2.15 B ON FEB 24	788 000	1972
1973	---	160 ON MAY 28	1.53 B ON NOV 3	585 000	1973
1974	103 AT 17 40 MST ON MAY 11	100 ON MAY 11	2.44 B ON DEC 31	656 000	1974
1975	88.5 AT 21 30 MST ON JUN 29	61.4 ON JUN 30	1.01 B ON NOV 20	313 000	1975
1976	114 AT 13 00 MST ON AUG 17	106 ON AUG 17	1.47 B ON MAR 7	482 000	1976
1977	212 AT 10 50 MST ON MAY 30	187 ON MAY 30	1.44 B ON JAN 8	893 000	1977
1978	235 AT 12 30 MST ON JUL 12	189 ON JUL 12	1.85 B ON MAR 8	783 000	1978
1979	102 AT 15 40 MST ON MAY 27	85.0 ON MAY 27	1.10 B ON JAN 19	416 000	1978
1980	1 260 AT 09 25 MST ON JUN 5 *	1 130 ON JUN 5 *	1.32 B ON JAN 10	1 110 000	1980
1981	133 AT 02 30 MST ON JUL 31	122 ON JUL 31	1.51 B ON DEC 31	502 000	1981
1982	484 AT 20 05 MST ON JUL 5	399 ON JUL 5	1.18 B ON FEB 25	889 000	1982
1983	109 AT 13 00 MST ON JUN 25	104 ON JUN 25	1.72 B ON DEC 31	408 000	1983
1984	88.7 AT 16 15 MST ON JUN 9	82.7 ON JUN 9	1.61 B ON FEB 17	487 000	1984
1985	129 AT 02 15 MST ON SEP 14	117 ON SEP 14	1.33 B ON FEB 15	572 000	1985
1986	624 AT 20 23 MST ON JUL 18	502 ON JUL 18	1.97 B ON FEB 11	811 000	1986
				639 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MCLEOD RIVER NEAR CADOMIN - STATION NO. 07AF013

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	---	---	3.19	14.0	4.87	2.11	3.87	5.30	---	---	---	1984
1985	---	---	1.51	1.66	5.47	9.13	5.02	8.09	8.93	3.71	---	---	5.55	1985
1986	---	---	0.999	1.49	8.90	10.8	19.6	5.73	4.33	7.12	---	---	7.40	1986
MEAN	---	---	1.25	1.58	5.19	11.3	9.76	5.31	5.71	5.38	---	---	6.48	MEAN

LOCATION - LAT 53 04 44 N LONG 117 11 50 W
DRAINAGE AREA, 3.31 km²
NATURAL FLOW

MCLEOD RIVER NEAR CADOMIN - STATION NO. 07AF013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	30.9 AT 06:30 MST ON JUN 15	28.0 ON JUN 15	---	---	1984
1985	30.7 AT 03:50 MST ON SEP 13	25.6 ON SEP 13	0.4108 ON MAR 29 *	117 000	1985
1986	70.8 AT 22:51 MST ON JUL 17 *	52.6 ON JUL 18 *	0.4718 ON MAR 5	157 000	1986
				137 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MCLEOD RIVER NEAR EDSON - STATION NO. 07AG002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1954	---	---	---	---	---	---	---	---	---	---	23.0	8.43	---	1954
1955	5.54	5.96	4.25	31.6	82.9	122	68.1	28.1	12.3	13.5	6.66	6.32	32.4	1955
1956	5.43	4.33	4.50	25.0	50.5	69.6	28.4	24.7	21.7	8.82	11.7	7.17	21.8	1956
1957	4.57	6.27	5.10	36.8	92.3	56.3	51.6	66.1	46.1	---	---	---	---	1957
MEAN	5.18	5.52	4.62	31.1	75.2	82.6	49.4	39.6	26.7	11.7	13.8	7.31	27.2	MEAN

LOCATION - LAT 53 36 00 N LONG 116 20 00 W
DRAINAGE AREA, 5 450 km^2
NATURAL FLOW

MCLEOD RIVER NEAR EDSON - STATION NO. 07AG002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1954	---	---	---	---	1954
1955	---	385 ON JUN 2 *	2 898 ON JAN 1 *	1 020 000	1955
1956	---	204 ON JUN 6	3 518 ON FEB 26	691 000	1956
1957	---	176 ON MAY 3	---	---	1957
				856 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MCLEOD RIVER NEAR ROSEVEAR - STATION NO. 07AG007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	---	---	---	73.1	23.2	11.1	73.1	53.7	17.1	9.15	---	1984
1985	7.85	6.25	6.84	50.6	47.6	84.0	35.0	61.3	88.7	47.4	16.5	13.2	37.3	1985
1986	9.84	8.45	10.3	23.0	107	58.7	295	52.0	49.9	86.6	25.2	14.4	62.5	1986
MEAN	8.85	7.36	8.57	36.9	77.3	65.3	118	41.5	70.6	62.6	20.3	12.3	49.9	MEAN

LOCATION - LAT 53 41 49 N LONG 116 09 42 W
DRAINAGE AREA, 7 150 km^2
NATURAL FLOW

MCLEOD RIVER NEAR ROSEVEAR - STATION NO. 07AG007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	212 AT 04 35 MST ON MAY 18	201 ON MAY 18	---	---	1984
1985	255 AT 11:45 MST ON SEP 14	282 ON SEP 14	5 528 ON FEB 8 *	1 180 000	1985
1986	2 300 AT 23 48 MST ON JUL 18 *	1 790 ON JUL 19 *	6 838 ON JAN 26	1 970 000	1986
				1 580 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MCLEOD RIVER NEAR WHITECOURT - STATION NO. 07AG004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	---	---	---	70.8	81.4	79.0	36.7	21.0	11.9	8.54	---	1968
1969	4.35	2.30	2.83	41.2	83.3	36.8	119	214	55.1	38.9	17.4	10.9	71.8	1969
1970	5.55	5.87	7.54	25.1	106	97.9	46.4	28.0	14.8	10.5	---	---	41.3	1970
1971	---	---	5.51	86.0	111	286	304	38.4	28.5	43.9	---	---	111	1971
1972	---	---	4.85	27.2	181	249	108	44.0	44.5	79.0	---	---	82.0	1972
1973	---	---	11.0	81.0	170	83.8	42.7	40.9	24.0	31.6	---	---	61.8	1973
1974	---	---	7.91	106	211	76.6	76.9	35.6	32.6	23.4	---	---	71.2	1974
1975	---	---	3.59	19.8	72.0	80.7	83.7	19.5	15.8	10.8	---	---	33.2	1975
1976	---	---	5.32	59.8	82.3	47.5	40.9	86.9	34.1	18.5	---	---	43.1	1976
1977	---	---	7.06	31.0	246	131	87.3	86.4	136	67.7	---	---	100	1977
1978	---	---	12.8	56.0	125	173	114	46.9	100	45.3	---	---	83.9	1978
1979	---	---	13.8	34.4	110	102	87.3	34.1	15.6	16.4	---	---	51.7	1979
1980	---	---	8.30	75.6	73.1	443	157	89.5	92.1	43.4	---	---	118	1980
1981	---	---	13.4	33.3	94.5	81.4	55.3	56.9	22.4	18.9	---	---	46.8	1981
1982	---	---	5.22	24.8	118	79.3	313	81.7	89.5	80.3	---	---	95.9	1982
1983	---	---	7.77	41.1	54.8	82.8	117	24.6	15.9	13.8	---	---	42.2	1983
1984	---	---	9.46	38.9	83.4	78.5	33.2	14.9	77.2	56.8	---	---	47.7	1984
1985	---	---	10.9	82.1	54.1	77.7	45.5	84.7	104	52.8	---	---	58.7	1985
1986	---	---	14.7	58.9	127	71.1	311	83.2	51.3	105	---	---	101	1986
MEAN	5.45	4.09	8.39	50.2	114	121	114	80.0	51.0	40.5	14.7	10.2	70.8	MEAN

LOCATION - LAT 54 00 46 N
LONG 115 50 18 W

DRAINAGE AREA, 9 100 km²
NATURAL FLOW

MCLEOD RIVER NEAR WHITECOURT - STATION NO. 07AG004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	140 ON AUG 8	---	---	1968
1969	---	1 430E ON AUG 7	2.278 ON MAR 1 *	1 520 000	1969
1970	518 AT 18:00 MST ON JUN 17	371 ON JUN 18	5.098 ON MAR 1	887 000	1970
1971	886 AT 03:00 MST ON JUL 13	858 ON JUL 12	5.838 ON MAR 12	2 340 000	1971
1972	1 450A AT 01:00 MST ON JUN 27	1 280A ON JUN 27	4.598 ON MAR 19	1 850 000	1972
1973	282 AT 14:00 MST ON MAY 28	280 ON MAY 28	10.6 E ON MAR 1	1 310 000	1973
1974	388 AT 12:30 MST ON MAY 12	379 ON MAY 12	7.488 ON MAR 12	1 810 000	1974
1975	250 AT 15:00 MST ON JUN 30	238 ON JUN 30	3.238 ON MAR 5	704 000	1975
1976	203 AT 11:00 MST ON AUG 18	195 ON AUG 18	4.888 ON MAR 1	912 000	1976
1977	897 AT 00:30 MST ON MAY 31	609 ON MAY 31	6.288 ON MAR 22	2 120 000	1977
1978	---	388 ON JUN 16	6.508 ON MAR 3	1 780 000	1978
1979	227 AT 15:45 MST ON JUL 13	215 ON JUL 14	6.408 ON MAR 1	1 090 000	1979
1980	1 940 AT 10:35 MST ON JUN 8	1 780 ON JUN 8 *	5.588 ON MAR 5	2 520 000	1980
1981	---	215E ON AUG 1	8.808 ON MAR 9	888 000	1981
1982	1 230 AT 16:15 MST ON JUL 5	1 170 ON JUL 5	4.208 ON MAR 1	2 050 000	1982
1983	294 AT 08:35 MST ON JUL 4	289 ON JUL 4	7.258 ON MAR 29	894 000	1983
1984	238 AT 17:40 MST ON MAY 18	218 ON MAY 18	6.678 ON MAR 1	1 010 000	1984
1985	370 AT 15:45 MST ON SEP 14	315 ON SEP 15	8.318 ON MAR 14	1 240 000	1985
1986	2 020 AT 17:45 MST ON JUL 19 *	1 850E ON JUL 19	9.498 ON MAR 8	2 140 000	1986
				1 800 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MCLEOD RIVER NEAR WOLF CREEK - STATION NO. 07AG001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	---	211	60.7	17.7	20.8	18.2	10.3	5.48	---	1914
1915	3.46	3.06	3.70	15.7	32.0	204	275	52.2	30.1	29.7	13.8	4.81	55.0	1915
1916	2.86	2.07	6.20	28.3	41.5	89.8	97.3	45.5	28.9	28.5	15.2	7.45	32.9	1916
1917	5.04	3.03	2.44	23.5	208	121	46.7	29.1	37.4	29.2	16.8	12.2	44.8	1917
1918	12.7	10.8	8.21	54.5	80.7	88.2	87.5	26.4	19.3	12.8	8.18	5.52	32.7	1918
1919	4.46	3.15	2.25	16.0	19.5	34.2	17.9	19.6	75.5	22.4	11.4	8.48	19.4	1919
1920	7.11	4.03	4.08	11.1	191	124	58.0	39.0	31.6	21.2	10.0	4.76	42.3	1920
1921	2.76	2.62	4.11	86.0	149	63.0	30.3	25.0	18.1	13.0	8.47	4.18	31.6	1921
1922	1.82	0.892	1.12	34.8	113	30.8	27.0	18.8	12.5	9.27	5.23	2.10	21.6	1922
1923	1.11	0.227	0.283	20.4	28.3	125	92.8	84.7	29.4	24.5	12.8	---	---	1923
1924	---	---	---	16.9	111	86.3	38.9	87.7	51.0	35.2	---	---	---	1924
1925	---	---	6.67	77.8	41.5	112	33.3	141	138	---	---	---	---	1925
1926	---	---	15.7	84.6	25.7	46.3	28.6	38.6	199	105	---	---	---	1926
1927	---	---	4.72	44.5	111	131	124	85.8	59.3	34.8	---	---	---	1927
1928	---	---	---	---	---	---	---	45.8	24.8	20.8	---	---	---	1928
1929	---	---	11.2	29.7	76.0	59.7	34.4	16.4	22.3	32.7	---	---	---	1929
1930	---	---	4.52	86.2	94.0	89.0	52.3	21.9	18.2	17.0	12.4	6.28	---	1930
1931	2.74	2.50	2.95	15.2	41.3	---	---	---	---	---	---	---	---	1931
1954	---	---	---	---	---	---	---	---	---	---	---	---	---	1954
1957	---	---	---	---	---	---	---	---	---	38.0	24.1	15.3	---	1957
1958	9.95	9.95	9.45	46.6	107	102	138	25.2	14.1	9.85	5.69	3.28	40.3	1958
1959	3.80	4.18	5.52	26.0	84.9	144	51.6	21.1	33.3	41.3	21.9	12.7	36.0	1959
1960	7.97	7.02	6.99	23.9	101	132	88.9	21.2	17.5	16.9	9.15	6.70	36.6	1960
1961	5.73	4.45	5.17	19.0	57.8	32.4	44.6	36.1	14.0	37.0	31.4	11.0	25.1	1961
1962	5.54	7.85	6.15	63.9	103	80.9	66.1	42.9	47.3	26.0	20.6	8.47	38.3	1962
1963	4.77	3.62	3.27	76.7	86.6	49.7	31.1	13.5	16.6	11.8	8.73	4.20	27.0	1963
1964	2.65	3.25	3.41	9.52	114	125	46.3	40.2	124	52.6	17.6	9.48	45.6	1964
1965	6.22	6.81	7.58	26.7	140	203	236	49.3	112	47.2	16.7	11.6	72.2	1965
1966	6.37	5.74	6.48	45.1	134	63.5	117	141	61.7	39.8	21.5	9.83	54.7	1966
1967	6.00	8.61	8.31	13.8	92.8	136	36.3	24.7	9.37	10.1	7.23	4.03	29.5	1967
1968	3.82	6.34	17.1	33.4	84.8	81.5	60.8	74.6	32.1	18.3	12.0	9.83	32.9	1968
1969	---	---	6.95	39.9	80.7	38.2	118	176	44.4	35.1	---	---	---	1969
1970	---	---	8.88	23.1	88.0	78.3	31.6	17.6	11.2	9.24	4.80	4.85	---	1970
1971	4.10	4.85	5.05	63.1	78.9	211	211	33.3	25.8	31.3	16.7	9.77	58.1	1971
1972	8.53	8.88	8.84	24.0	154	213	77.3	34.2	38.9	86.8	22.8	14.1	55.4	1972
1973	8.88	8.24	8.31	80.2	156	77.8	35.3	32.1	18.5	22.3	12.6	9.06	37.8	1973
1974	8.71	8.71	8.39	75.8	176	70.2	57.9	31.9	28.5	18.9	8.50	6.76	41.6	1974
1975	4.73	3.88	3.87	15.4	57.7	49.8	45.6	14.8	11.7	8.81	5.30	5.30	19.0	1975
1976	5.30	4.62	4.59	40.2	44.9	41.0	31.7	75.4	27.4	15.9	8.44	5.86	25.5	1976
1977	4.12	5.34	4.90	20.3	202	101	70.6	61.8	109	52.0	10.5	8.14	55.3	1977
1978	7.20	8.38	7.81	44.8	111	142	81.4	38.9	79.8	36.0	16.0	10.6	49.3	1978
1979	4.41	6.00	8.81	26.7	74.6	89.4	69.8	26.6	12.4	14.1	8.54	8.77	28.3	1979
1980	5.21	5.00	4.52	48.8	84.0	400	130	56.8	73.1	33.0	15.5	12.8	70.5	1980
1981	8.56	4.82	10.1	24.8	75.8	62.7	51.6	42.0	18.0	13.8	11.4	4.13	27.6	1981
1982	2.31	2.80	3.83	13.7	92.4	73.3	261	88.3	56.0	84.8	21.9	11.2	56.5	1982
1983	7.33	8.17	7.48	33.4	46.8	56.3	79.5	17.8	12.6	12.6	11.6	4.47	24.8	1983
1984	4.31	4.14	5.55	---	---	---	---	---	---	---	---	---	---	1984
MEAN	5.32	4.83	6.10	36.0	92.8	105	79.8	45.6	43.4	28.7	13.2	7.76	39.6	MEAN

LOCATION - LAT 53 38 15 N DRAINAGE AREA, 6 310 km²
LONG 118 16 60 W NATURAL FLOW

MCLEOD RIVER NEAR WOLF CREEK - STATION NO. 07AG001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	583 ON JUN 9	---	---	1914
1915	---	954 ON JUN 25	2.29 B ON FEB 19	1 780 000	1915
1916	---	294 ON JUL 5	1.70 B ON MAR 2	1 040 000	1916
1917	---	470 ON MAY 22	2.12 B ON FEB 21	1 410 000	1917
1918	---	210 ON MAY 31	3.91 B ON NOV 28	1 030 000	1918
1919	---	317 ON SEP 8	1.59 B ON MAR 18	812 000	1919
1920	---	467 ON MAY 9	2.12 B ON DEC 28	1 340 000	1920
1921	---	264 ON MAY 15	1.80 B ON FEB 16	995 000	1921
1922	---	248 ON MAY 2	0.5688 ON FEB 17	681 000	1922
1923	---	255 ON JUN 28	0.0968 ON MAR 3 *	---	1923
1924	---	203 ON MAY 4	---	---	1924
1925	---	515 ON AUG 17	---	---	1925
1926	---	326 ON SEP 8	---	---	1926
1927	---	263 B ON APR 29	---	---	1927
1928	---	521 ON JUL 5	---	---	1928
1929	---	136 ON MAY 17	---	---	1929
1930	---	191 ON JUN 1	---	---	1930
1931	---	63.1 ON MAY 8	1.50 B ON MAR 11	---	1931
1954	2 270 ON JUN 8 *	---	---	---	1954
1957	---	---	---	---	1957
1958	895A AT 17:00 MST ON JUN 29	880 A ON JUN 30	2.38 B ON NOV 28	1 270 000	1958
1959	418 AT 02:00 MST ON JUN 28	374 ON JUN 28	1.70 B ON FEB 22	1 140 000	1959
1960	473 AT 19:00 MST ON JUN 26	408 ON JUN 27	2.87 B ON MAR 21	1 180 000	1960
1961	198 AT 04:00 MST ON JUL 31	186 ON JUL 31	3.40 B ON MAR 18	792 000	1961
1962	297 AT 18:00 MST ON MAY 20	241 ON MAY 21	4.25 B ON JAN 28	1 210 000	1962
1963	---	272 ON APR 27	2.27 B ON MAR 22	851 000	1963
1964	399 AT 02:00 MST ON MAY 8	371 ON MAY 8	2.45 B ON FEB 3	1 440 000	1964
1965	954 AT 11:00 MST ON JUN 1	838 ON JUN 1	4.13 B ON APR 3	2 280 000	1965
1966	569 AT 12:00 MST ON MAY 11	481 ON JUL 5	5.10 B ON FEB 14	1 730 000	1966
1967	294 AT 15:00 MST ON JUN 10	274 ON JUN 10	3.09 B ON DEC 14	931 000	1967
1968	133 AT 10:34 MST ON AUG 7	129 ON AUG 7	1.70 B ON FEB 16	1 040 000	1968
1969	2 020 AT 02:02 MST ON AUG 7	1 400 ON AUG 7	---	---	1969
1970	428 AT 07:30 MST ON JUN 17	368 ON JUN 17	---	---	1970
1971	623 AT 16:30 MST ON JUL 12	617 ON JUL 12	3.34 B ON JAN 23	1 830 000	1971
1972	1 180 AT 17:00 MST ON JUN 26	1 040 ON JUN 26	5.38 B ON FEB 4	1 750 000	1972
1973	331 AT 23:40 MST ON MAY 28	292 ON MAY 29	7.93 B ON JAN 25	1 190 000	1973
1974	340 AT 22:50 MST ON MAY 11	326 ON MAY 12	4.84 B ON JAN 26	1 310 000	1974
1975	190 AT 03:00 MST ON JUN 30	177 ON JUN 30	3.57 B ON MAR 30	598 000	1975
1976	195 AT 21:10 MST ON AUG 17	175 ON AUG 18	3.57 B ON DEC 8	806 000	1976
1977	561 AT 14:30 MST ON MAY 30	518 ON MAY 30	3.40 B ON JAN 10	1 780 000	1977
1978	374 AT 20:20 MST ON JUL 12	314 ON JUN 16	4.19 B ON FEB 13	1 550 000	1978
1979	154 AT 05:20 MST ON JUL 13	151 ON JUL 13	2.90 B ON JAN 22	831 000	1979
1980	1 980 AT 18:15 MST ON JUN 5	1 710 ON JUN 5 *	4.16 B ON MAR 6	2 230 000	1980
1981	192 AT 07:20 MST ON JUL 31	179 ON JUL 31	2.27 B ON DEC 31	889 000	1981
1982	1 100 AT 03:35 MST ON JUL 6	985 ON JUL 6	2.08 B ON JAN 6	1 780 000	1982
1983	210 AT 04:00 MST ON JUL 4	198 ON JUL 4	3.70 B ON DEC 29	782 000	1983
1984	---	---	---	---	1984
MEAN				1 250 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MEADOW CREEK AT HART'S RANCH - STATION NO. 05AB006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	---	---	---	---	0.414	0.233	0.179	---	---	---	1908
1909	---	---	---	---	1.01	0.841	0.524	0.274	0.115	0.105	---	---	---	1909
1910	---	---	---	0.103	0.070	0.015	0	0	0.008	0.040	---	---	---	1910
1911	---	---	---	0.148	0.208	0.128	0.052	0.307	0.721	0.344	---	---	---	1911
1912	---	---	---	0.361	0.201	0.221	0.273	0.154	0.115	0.083	---	---	---	1912
1913	---	---	---	---	0.181	0.246	0.124	0.068	0.035	0.050	---	---	---	1913
1914	---	---	---	0.196	0.050	0.028	0.001	0.006	0.008	0.118	---	---	---	1914
1915	---	---	---	0.185	0.516	0.986	0.940	0.595	0.258	0.217	---	---	---	1915
1916	---	---	0.757	0.211	0.277	0.799	0.413	0.194	0.235	0.202	---	---	---	1916
1917	---	---	---	0.220	1.53	2.08	0.564	0.242	0.163	0.143	---	---	---	1917
1918	---	---	---	0.099	0.038	0.026	0.002	0.001	0.012	0.014	---	---	---	1918
1919	---	---	0.051	0.089	0.025	0.001	---	---	---	---	---	---	---	1919
1922	---	---	0.050	0.223	0.228	0.041	0.076	0.003	0	0	---	---	---	1922
1923	---	---	0.057	0.161	0.284	3.87	0.852	0.182	0.069	0.088	---	---	---	1923
MEAN	---	---	0.229	0.182	0.355	0.714	0.302	0.188	0.152	0.120	---	---	---	MEAN

LOCATION - LAT 49 56 00 N, LONG 113 45 00 W DRAINAGE AREA, 102 km^2 NATURAL FLOW

MEADOW CREEK AT HART'S RANCH - STATION NO 05AB006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1908	---	---	---	---	1908
1909	---	2.89 ON MAY 24	---	---	1909
1910	---	0.198 ON MAY 10	0 ON JUN 19 *	---	1910
1911	---	1.49 ON SEP 5	---	---	1911
1912	---	0.634 ON JUL 8	---	---	1912
1913	---	0.736 ON JUN 25	---	---	1913
1914	---	---	0 ON JUN 17	---	1914
1915	---	4.96 ON AUG 20	---	---	1915
1916	---	1.36 B ON MAR 10	---	---	1916
1917	---	11.2 ON MAY 29	---	---	1917
1918	---	---	0 ON JUL 11	---	1918
1919	---	0.425E ON APR 1	0 ON MAR 1	---	1919
1922	---	1.13 ON APR 28	OB ON MAR 1	---	1922
1923	---	23.7 ON JUN 1 *	---	---	1923
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

MEADOW CREEK NEAR THE MOUTH - STATION NO 05AB029

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	0.080	0.078	0.278	0.099	0.078	0.016	0.027	---	---	---	1966
1967	---	---	0.263	0.232	2.10	1.70	0.226	0.123	0.059	0.070	---	---	0.595	1967
1968	---	---	0.058	0.112	0.093	0.108	0.028	0.012	0.036	0.046	---	---	0.061	1968
1969	---	---	0.917	0.788	0.367	0.393	0.480	0.105	0.065	0.083	---	---	0.401	1969
1970	---	---	0.054	0.107	0.106	0.086	0.018	0	0	0	---	---	0.046	1970
1971	---	---	0.089	0.234	0.070	0.122	0.013	0	0	0	---	---	0.065	1971
1972	---	---	0.581	0.465	0.590	0.351	0.102	0.044	0.034	0.082	---	---	0.282	1972
1973	---	---	0.059	0.088	0.104	0.108	0.008	0	0	0	---	---	0.047	1973
1974	---	---	0.152	0.212	0.319	0.284	0.083	0.112	0.018	0.022	---	---	0.150	1974
1975	---	---	0.008	0.336	0.528	0.565	0.348	0.126	0.057	0.055	---	---	0.252	1975
1976	---	---	0.191	0.134	0.062	0.044	0.007	0.182	0.054	0.031	---	---	0.088	1976
1977	---	---	0.010	0.087	0.020	0.002	0	0	0	0	---	---	0.015	1977
1978	---	---	0.680	0.173	0.347	0.437	0.197	0.050	0.112	0.087	---	---	0.255	1978
1979	---	---	0.137	0.284	0.492	0.224	0.046	0.016	0.005	0.009	---	---	0.145	1979
1980	---	---	0.055	0.083	0.021	0.028	0	0	0	0	---	---	0.023	1980
1981	---	---	0.021	0.007	0.253	0.253	0.142	0.049	0.021	0.044	---	---	0.100	1981
1982	---	---	0.044	0.140	0.020	0.036	0.008	0	0	0	---	---	0.031	1982
1983	---	---	0.021	0.022	0.012	0.004	0	0	0	0	---	---	0.008	1983
1984	---	---	0.003	0.002	0.001	0.002	0	0	0	0	---	---	0.001	1984
1985	---	---	0.012	0.023	0	0	0	0	0.001	0.002	---	---	0.005	1985
1986	---	---	0.113	0.041	0.093	0.050	0.011	0	0.009	0.012	---	---	0.041	1986
MEAN	---	---	0.173	0.173	0.270	0.242	0.087	0.043	0.023	0.026	---	---	0.131	MEAN

LOCATION - LAT 69 57 15 N LONG 113 39 43 W
DRAINAGE AREA 130 km^2
NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1986

MEADOW CREEK NEAR THE MOUTH - STATION NO 05AB029

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	1.12 AT 21 00 MST ON AUG 27	0.629 ON JUL 3	---	---	1966
1967	4.98 AT 01 45 MST ON MAY 18 *	3.34 R ON MAY 17	0.014B ON MAR 13	12 600	1967
1968	0.320 AT 12 14 MST ON APR 12	0.221 ON JUN 8	0.006B ON MAR 18	1 300	1968
1969	---	4.93 B ON MAR 18 *	0.014B ON MAR 1	8 480	1969
1970	0.719 AT 11 00 MST ON JUN 14	0.552 ON JUN 14	0 ON AUG 2 *	978	1970
1971	---	0.408B ON APR 6	0 ON JUL 17	1 380	1971
1972	4.45 AT 06 30 MST ON JUN 10	2.55 B ON MAR 11	0 B ON MAR 1	5 970	1972
1973	0.481 AT 07 20 MST ON MAY 26	0.365 ON MAY 26	0 ON JUL 12	990	1973
1974	1.87 AT 14 40 MST ON APR 27	1.23 B ON MAR 28	0.001B ON MAR 9	3 170	1974
1975	2.49 AT 14 00 MST ON JUN 20	2.03 ON JUN 20	0 B ON MAR 1	5 330	1975
1976	2.89 B AT 03 40 MST ON MAR 18	1.75 B ON MAR 17	0 ON JUL 19	1 870	1976
1977	1.29 B AT 10 50 MST ON APR 5	0.476B ON APR 3	0 ON JUN 8	315	1977
1978	---	2.41 B ON MAR 20	0.014 ON OCT 11	5 410	1978
1979	0.611 AT 10 20 MST ON MAY 16	0.578 ON MAY 15	0 B ON MAR 1	3 150	1979
1980	0.925 AT 08 35 MST ON APR 14	0.453 ON APR 14	0 ON APR 30	493	1980
1981	1.19 AT 14 00 MST ON JUN 14	0.931 ON JUN 14	0.004 ON APR 4	2 120	1981
1982	1.49 AT 09 30 MST ON APR 14	0.705 ON APR 14	0 B ON MAR 1	551	1982
1983	0.116B AT 08 55 MST ON MAR 10	0.062B ON MAR 10	0 ON MAY 30	159	1983
1984	0.143 AT 12 55 MST ON MAR 22	0.027 ON MAR 22	0 B ON MAR 1	20.6	1984
1985	---	0.120B ON MAR 17	0 B ON MAR 1	103	1985
1986	0.832 AT 09 50 MST ON MAR 1	0.337 ON MAR 1	0 ON AUG 2	871	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD R - REVISED SINCE JAN 1 1986		2 770	MEAN

MEANDER RIVER AT OUTLET HUTCH LAKE - STATION NO. 07OB005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	---	---	---	0.454	---	---	---	1975
1976	---	---	0.008	3.02	2.58	1.99	1.10	3.80	1.80	0.997	---	---	1.91	1976
1977	---	---	0.004	0.818	1.85	7.47	2.29	0.220	0.008	0.021	---	---	1.55	1977
1978	---	---	0.003	0.045	2.07	1.87	0.141	0.013	0.786	0.932	---	---	0.705	1978
1979	---	---	0.001	0.007	7.83	5.11	0.635	0.038	0.023	0.058	---	---	1.83	1979
1980	---	---	0.004	0.183	0.013	0.002	0	0.001	0	0	---	---	0.022	1980
1981	---	---	0	0.027	1.10	0.183	0.037	0.018	0.001	0	---	---	0.172	1981
1982	---	---	0.002	0.031	0.436	0.048	0.005	0	0	0.003	---	---	0.085	1982
1983	---	---	0	0.198	1.97	0.406	0.080	0.015	0.004	0.005	---	---	0.334	1983
1984	---	---	0.020	0.085	0.209	0.137	2.85	0.260	1.02	0.581	---	---	0.858	1984
1985	---	---	0.001	0.138	4.58	0.845	0.086	0.373	0.714	0.777	---	---	0.932	1985
1986	---	---	0.002	0.105	3.17	3.17	2.81	0.792	0.177	0.229	---	---	1.31	1986
MEAN	---	---	0.004	0.402	2.36	1.86	0.919	0.503	0.412	0.338	---	---	0.883	MEAN

LOCATION - LAT 58 48 15 N LONG 117 23 05 W
DRAINAGE AREA, 507 km²
NATURAL FLOW

MEANDER RIVER AT OUTLET HUTCH LAKE - STATION NO. 07OB005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	---	---	1975
1976	9.71 AT 17:30 MST ON AUG 21	9.60 ON AUG 21	0.0048 ON MAR 1	40 400	1976
1977	19.5 AT 03:50 MST ON JUN 11 *	18.3 ON JUN 11 *	0 B ON MAR 20 *	32 700	1977
1978	5.21 AT 09:00 MST ON MAY 27	5.10 ON MAY 27	0.0028 ON MAR 23	14 900	1978
1979	18.7 AT 17:00 MST ON MAY 30	18.5 ON MAY 30	0.0018 ON MAR 1	38 800	1979
1980	0.715 AT 15:00 MST ON APR 24	0.695 ON APR 24	0 B ON MAR 1	475	1980
1981	2.83 AT 15:00 MST ON MAY 4	2.71 ON MAY 5	0 B ON MAR 1	3 830	1981
1982	0.856 AT 21:30 MST ON MAY 27	0.819 ON MAY 21	0 ON JUL 21	1 400	1982
1983	2.41 AT 05:30 MST ON MAY 10	2.38 ON MAY 9	0 B ON MAR 1	7 070	1983
1984	5.86 AT 15:30 MST ON JUL 4	5.55 ON JUL 4	0 ON JUN 18	13 900	1984
1985	8.57 AT 23:00 MST ON MAY 5	8.41 ON MAY 5	0 B ON MAR 6	19 700	1985
1986	8.31 AT 07:00 MST ON JUN 23	7.98 ON JUN 24	0.0018 ON MAR 14	27 700	1986
				18 200	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MEDICINE RIVER NEAR ECKVILLE - STATION NO. 05CC007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1962	---	---	---	---	1.13	1.28	1.00	2.99	2.29	0.809	---	---	---	1962
1963	---	---	---	19.7	5.04	1.66	7.88	1.18	0.485	0.395	---	---	---	1963
1964	---	---	0	5.41	15.2	8.14	2.00	0.486	5.27	2.88	---	---	---	1964
1965	---	---	0.487	44.3	18.5	30.3	44.7	3.50	9.30	3.82	---	---	---	1965
1966	---	---	3.07	26.9	7.00	4.90	8.11	6.78	1.14	1.81	---	---	---	1966
1967	---	---	0	18.8	11.4	10.6	1.84	0.388	0.002	0.021	---	---	---	1967
1968	---	---	1.43	1.69	0.720	0.889	2.08	2.22	1.81	1.85	---	---	---	1968
1969	---	---	0.256	19.2	2.82	1.40	18.6	2.71	2.47	2.36	---	---	---	1969
1970	---	---	0.802	17.5	3.89	4.71	6.04	1.18	0.278	0.879	---	---	---	1970
1971	---	---	0.381	38.6	5.55	6.41	13.3	1.21	0.525	0.445	0.802	0.380	---	1971
1972	0.283	0.255	1.24	15.5	4.85	12.0	6.81	1.24	0.888	1.09	---	---	---	1972
1973	---	---	0.792	27.4	7.98	3.18	5.42	12.6	2.57	1.52	---	---	---	1973
1974	---	---	0.504	40.4	21.0	5.24	6.54	1.30	0.514	0.817	0.803	0.289	---	1974
1975	0.202	0.202	0.243	10.5	7.48	2.02	1.23	0.322	0.183	0.222	0.283	2.281	1.93	1975
1976	0.480	0.290	0.292	5.77	1.38	0.838	0.273	4.38	0.885	0.510	0.408	0.347	1.41	1976
1977	0.332	0.335	0.356	7.81	16.3	5.38	1.01	0.974	2.55	1.71	0.858	0.347	3.06	1977
1978	0.292	0.318	3.23	10.9	5.71	7.20	1.32	0.458	2.00	1.36	0.783	0.381	3.82	1978
1979	0.114	0.093	3.26	8.05	3.81	1.40	1.40	0.387	0.103	0.197	0.298	0.298	1.82	1979
1980	0.185	0.187	0.192	13.7	3.85	18.5	13.9	6.74	9.58	3.10	1.72	0.705	5.98	1980
1981	0.544	0.498	10.4	4.41	16.5	3.66	10.6	12.1	1.19	1.22	1.17	0.358	5.31	1981
1982	0.284	0.341	0.382	21.9	5.90	3.36	36.9	4.27	3.07	3.79	1.07	0.524	5.86	1982
1983	0.508	0.445	1.17	19.0	4.87	1.71	8.99	0.851	0.101	0.339	0.471	0.289	3.20	1983
1984	0.331	0.313	2.08	4.02	3.85	2.46	0.211	0.083	0.821	0.998	0.448	0.182	1.30	1984
1985	0.271	0.183	1.20	20.9	3.26	0.864	0.246	0.299	5.21	2.13	0.874	0.294	2.87	1985
1986	0.286	0.314	7.88	2.33	16.2	1.42	27.5	2.89	2.83	5.44	1.47	0.843	5.74	1986
MEAN	0.313	0.288	1.71	16.9	7.86	5.58	9.02	2.80	2.27	1.58	0.772	0.374	3.52	MEAN

LOCATION - LAT 52 18 08 N LONG 114 20 33 W
DRAINAGE AREA, 1 510 km²
NATURAL FLOW

MEDICINE RIVER NEAR ECKVILLE - STATION NO. 05CC007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1962	---	15.6 ON AUG 8	---	---	1962
1963	---	39.4 ON JUL 20	---	---	1963
1964	---	84.1 ON MAY 9	0 ON FEB 27 *	---	1964
1965	---	136 A ON JUL 14	---	---	1965
1966	---	133 B ON APR 2	---	---	1966
1967	---	48.1 ON APR 26	0 B ON MAR 1	---	1967
1968	---	5.20 ON JUL 27	0 ON MAY 25	---	1968
1969	---	108 B ON APR 8	---	---	1969
1970	---	51.0 B ON APR 8	---	---	1970
1971	---	100 ON APR 19	---	---	1971
1972	---	75.5 ON JUN 28	---	---	1972
1973	---	54.1 ON AUG 28	---	---	1973
1974	148 A AT 17:30 MST ON APR 19	133 A ON APR 19	---	---	1974
1975	---	39.4 B ON APR 21	0.051A ON SEP 23	80 700	1975
1976	56.6B ON APR 11	48.4 B ON APR 11	0.040 ON JUL 12	44 500	1976
1977	---	39.1 B ON APR 8	0.255B ON NOV 22	96 500	1977
1978	---	32.6 B ON MAR 31	0.150B ON DEC 31	89 000	1978
1979	---	21.5 B ON APR 22	0.003E ON SEP 12	51 000	1979
1980	---	55.3 ON JUN 7	0.150B ON JAN 25	189 000	1980
1981	71.8 AT 23:40 MST ON MAY 9	69.1 ON MAY 9	0.150B ON DEC 31	188 000	1981
1982	160 AT 07:00 MST ON JUL 8	153 ON JUL 8	0.150B ON JAN 4	216 000	1982
1983	---	50.8 B ON APR 3	0.050R ON SEP 18	101 000	1983
1984	---	13.5 B ON MAR 31	0.003 ON AUG 12	41 100	1984
1985	---	59.9 B ON APR 5	0.057 ON SEP 5	93 700	1985
1986	208 AT 20:40 MST ON JUL 20 *	181 ON JUL 21 *	0.202B ON FEB 18	181 000	1986
				111 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD R - REVISED SINCE JAN 1 1986

MEETING CREEK NEAR DONALDA - STATION NO. 05FC006

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1985	---	---	---	---	---	---	---	---	---	0.001	---	---	---	1985
1986	---	---	1.82	0.149	0.408	0.018	0.020	0.024	0.022	0.055	---	---	0.291	1986
MEAN	---	---	1.82	0.149	0.408	0.018	0.020	0.024	0.022	0.028	---	---	0.291	MEAN

LOCATION - LAT 52 34 46 N, LONG 112 31 57 W. DRAINAGE AREA, 472 km^2. NATURAL FLOW

MEETING CREEK NEAR DONALDA - STATION NO. 05FC006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1985	---	---	0 ON SEP 27 *	---	1985
1986	---	4.61B ON MAR 3 *	0 ON JUN 14	6 170	1986
				6 170	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MEETING CREEK NEAR THE MOUTH - STATION NO. 05FC003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	0.083	2.96	0.158	0.488	0.284	0.082	0.057	0.022	---	---	0.503	1972
1973	---	---	0.828	1.78	0.350	1.62	1.63	3.36	0.339	0.178	---	---	1.26	1973
1974	---	---	0.029	30.4	10.1	1.18	0.753	0.203	0.044	0.038	---	---	5.28	1974
1975	---	---	0.006	4.48	3.37	0.180	0.105	0.017	0.013	0.047	---	---	1.02	1975
1976	---	---	0.088	3.86	0.087	0.065	0.027	0.008	0.006	0.001	---	---	0.504	1976
1977	---	---	0.001	0.035	0.841	0.007	0.001	0.001	0.001	0.001	---	---	0.087	1977
1978	---	---	1.08	1.80	0.129	0.108	0.084	0.068	0.841	0.178	---	---	0.532	1978
1979	---	---	2.35	0.976	0.284	0.041	0.027	0.007	0.006	0.005	---	---	0.487	1979
1980	---	---	0.007	2.38	0.135	0.788	0.415	0.454	0.084	0.041	---	---	0.530	1980
1981	---	---	1.14	0.253	0.085	0.038	0.020	0.005	0	0	---	---	0.181	1981
1982	---	---	0.004	1.21	0.113	0.042	0.958	0.049	0.024	0.118	---	---	0.314	1982
1983	---	---	0.574	0.836	0.344	1.22	3.27	0.185	0.007	0.004	---	---	0.780	1983
1984	---	---	0.105	0.213	0.024	0.008	0.001	0	0.008	0.008	---	---	0.045	1984
1985	---	---	3.92	2.49	0.233	0.040	0.008	0.115	0.010	0.187	---	---	0.873	1985
MEAN	---	---	0.730	3.82	1.14	0.412	0.540	0.324	0.103	0.058	---	---	0.885	MEAN

LOCATION - LAT 52 33 10 N, LONG 112 24 40 W. DRAINAGE AREA, 1 500 km^2. NATURAL FLOW

MEETING CREEK NEAR THE MOUTH - STATION NO. 05FC003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	10.1 B ON APR 9	0 B ON MAR 1 *	10 600	1972
1973	17.7 AT 01:00 MST ON AUG 11	14.9 ON AUG 11	0 B ON MAR 1	25 700	1973
1974	143 ON APR 23 *	124 ON APR 24 *	0.014 ON SEP 28	112 000	1974
1975	39.6 B AT 04:00 MST ON APR 26	33.4 B ON APR 26	0.0068 ON MAR 1	21 800	1975
1976	29.2 AT 01:00 MST ON APR 9	24.7 ON APR 9	0 ON JUL 29	10 700	1976
1977	4.87 AT 04:30 MST ON MAY 17	4.42 ON MAY 17	0 B ON MAR 1	1 840	1977
1978	12.0 B AT 05:00 MST ON APR 1	9.00 B ON APR 1	0 ON AUG 1	11 300	1978
1979	5.878 AT 09:00 MST ON MAR 18	5.73 B ON MAR 17	0.0038 ON MAR 1	9 880	1979
1980	10.6 B AT 10:30 MST ON APR 12	8.49 B ON APR 12	0.0038 ON MAR 1	11 200	1980
1981	3.048 AT 12:40 MST ON MAR 15	2.80 B ON MAR 15	0 ON AUG 12	4 030	1981
1982	---	5.00 B ON APR 19	0 B ON MAR 1	6 640	1982
1983	---	15.1 E ON JUL 3	0.002 ON SEP 9	15 500	1983
1984	---	0.5828 ON APR 1	0 ON JUN 1	880	1984
1985	---	25.0 B ON MAR 22	0.001 ON AUG 13	19 500	1985
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		18 700	MEAN

MICHICHI CREEK AT DRUMHELLER - STATION NO. 05CE020

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	1.20	0.235	0.055	0	0.008	0.014	0	0	---	---	0.191	1978
1980	---	---	0.032	3.79	0.085	0.025	0.049	0.348	0.018	0.002	---	---	0.535	1980
1981	---	---	0.751	0.033	0.094	0.033	0.014	0.308	0	0.001	---	---	0.156	1981
1982	---	---	0.388	0.815	0.041	0.024	0.352	0.005	0.025	0.001	---	---	0.193	1982
1983	---	---	0.291	0.088	0.039	0.024	0.079	0.042	0	0	---	---	0.057	1983
1984	---	---	0.218	0.142	0.023	0.030	0.038	0.078	0.048	0.023	---	---	0.075	1984
1985	---	---	4.25	2.93	0.131	0.003	0	0.017	0.025	0	---	---	0.919	1985
1986	---	---	0.248	0.010	0.034	0.175	0.072	0.008	0.223	0.150	---	---	0.118	1986
MEAN	---	---	0.911	1.00	0.062	0.040	0.077	0.102	0.042	0.026	---	---	0.282	MEAN

LOCATION - LAT 51 26 17 N DRAINAGE AREA, 1 140 km^2
LONG 112 42 59 W NATURAL FLOW

MICHICHI CREEK AT DRUMHELLER - STATION NO. 05CE020

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1979	---	5.0588 ON MAR 14	0 ON JUN 1 *	4 040	1979
1980	---	20.9 B ON APR 14 *	0B ON MAR 1	11 300	1980
1981	8.83 AT 20:00 MST ON AUG 1 *	4.20 ON AUG 1	0 ON JUL 15	3 300	1981
1982	7.25 AT 18:34 MST ON APR 15	5.07 ON APR 13	0B ON MAR 1	4 090	1982
1983	3.85 AT 22:30 MST ON JUL 9	1.258 ON MAR 14	0 ON MAY 20	1 420	1983
1984	---	1.288 ON MAR 25	0B ON MAR 1	1 580	1984
1985	---	20.6 ON APR 3	0B ON MAR 1	19 500	1985
1986	---	2.39 ON JUN 9	0B ON APR 14	2 500	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD R - REVISED SINCE JAN 1 1986		5 970	MEAN

MIDDLE CREEK NEAR THE SASKATCHEWAN BOUNDARY - STATION NO. 11AB001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	---	0.012	0.007	0.007	0.006	0.006	0.005	---	1910
1911	---	---	---	0.528	0.032	0.137	0.144	0.042	0.238	0.024	---	---	---	1911
1912	---	---	---	---	0.328	0.036	0.020	0.013	0.015	0.017	---	---	---	1912
1913	---	---	---	1.39	0.092	0.038	0.018	0.013	0.009	[illegible]	---	---	---	1913
1914	---	---	---	1.04	0.031	0.014	0.015	0.010	0.008	0.015	---	---	---	1914
1949	---	---	---	---	---	---	---	---	---	0.00[illegible]	[illegible].005	---	---	1949
1950	---	---	0	0.544	0.015	0.006	0.006	0.005	0.006	0.007	0.005	---	0.072	1950
1951	---	---	0	2.82	1.49	0.087	0.015	0.115	0.058	0.020	---	---	0.581	1951
1952	---	---	0.062	9.34	0.281	0.030	0.022	0.019	0.017	0.012	---	---	1.20	1952
1953	---	---	0.013	0.738	1.31	1.26	0.083	0.112	0.036	0.017	---	---	0.446	1953
1954	---	---	0.014	0.830	0.193	0.087	0.027	0.015	0.015	0.032	---	---	0.146	1954
1955	---	---	0.120	5.47	1.25	0.058	0.482	0.111	0.030	0.028	---	---	0.822	1955
1956	---	---	0.034	0.867	0.388	0.100	0.075	0.024	0.020	0.018	---	---	0.201	1956
1957	---	---	0.026	2.28	0.591	0.041	0.023	0.015	0.010	0.011	---	---	0.370	1957
1958	---	---	0.282	1.81	0.037	0.011	0.008	0.012	0.009	0.008	---	---	0.261	1958
1959	---	---	0.034	1.15	0.078	0.025	0.028	0.017	0.013	0.012	---	---	0.243	1959
1960	---	---	2.10	0.658	0.282	0.063	0.027	0.015	0.012	0.010	---	---	0.388	1960
1961	---	---	0.025	0.011	0.011	0.005	0.004	0.003	0.005	0.005	---	---	0.009	1961
1962	---	---	0.163	0.051	0.015	0.020	0.012	0.002	0	0.002	---	---	0.021	1962
1963	---	---	0.072	0.084	0.013	0.007	0.564	0.008	0.006	0.006	---	---	0.093	1963
1964	---	---	0.033	0.380	0.261	0.018	0.010	0.007	0.011	0.011	---	---	0.091	1964
1965	---	---	0.014	5.21	0.541	1.10	0.357	0.050	0.061	0.057	---	---	0.813	1965
1966	---	---	2.06	0.898	0.158	0.062	0.038	0.031	0.027	0.027	---	---	0.412	1966
1967	---	---	0.017	0.590	3.86	0.242	0.054	0.040	0.030	0.034	---	---	0.612	1967
1968	---	---	0.273	0.083	0.049	0.036	0.023	0.021	0.018	0.018	---	---	0.063	1968
1969	---	---	0.015	2.17	0.061	0.031	0.027	0.022	0.015	0.016	---	---	0.286	1969
1970	---	---	0.015	2.63	1.50	0.256	0.070	0.032	0.031	0.033	---	---	0.578	1970
1971	---	---	0.018	1.69	0.238	0.068	0.020	0.016	0.015	0.014	---	---	0.279	1971
1972	---	---	1.35	0.084	0.036	0.026	0.022	0.017	0.008	0.009	---	---	0.196	1972
1973	---	---	0.030	0.031	0.023	0.015	0.005	0.002	0.004	0.008	---	---	0.014	1973
1974	---	---	0.025	1.10	0.441	0.053	0.019	0.012	0.013	0.012	---	---	0.307	1974
1975	---	---	0.005	0.484	1.71	0.389	0.032	0.026	0.018	0.014	---	---	0.334	1975
1976	---	---	0.675	0.768	0.033	0.028	0.018	0.017	0.016	0.017	---	---	0.221	1976
1977	---	---	0.014	0.012	0.007	0.007	0.005	0.001	0.003	0.008	---	---	0.007	1977
1978	---	---	0.012	1.06	0.388	0.033	0.020	0.012	0.014	0.018	---	---	0.180	1978
1979	---	---	1.31	2.26	0.335	0.048	0.030	0.022	0.018	0.015	---	---	0.500	1979
1980	---	---	0.024	0.041	0.012	0.012	0.004	0.004	0.004	0.006	---	---	0.013	1980
1981	---	---	0.015	0.007	0.011	0.004	0.002	0.002	0.002	0.002	---	---	0.006	1981
1982	---	---	0	0.677	0.472	0.850	0.018	0.011	0.010	0.012	---	---	0.293	1982
1983	---	---	0.009	0.007	0.078	0.010	0.005	0.004	0.004	0.006	---	---	0.018	1983
1984	---	---	0.011	0.010	0.008	0.005	0.001	0.001	0.002	0.002	---	---	0.005	1984
1985	---	---	0.189	1.86	0.328	0.023	0.014	0.007	0.007	0.004	---	---	0.278	1985
1986	---	0.711	1.85	0.051	0.233	0.021	0.016	0.012	0.701	0.027	---	---	0.287	1986
MEAN	---	0.711	0.316	1.28	0.419	0.130	0.058	0.023	0.037	0.015	[illegible].007	0.005	0.292	MEAN

LOCATION - LAT 49 25 29 N DRAINAGE AREA, 305 km²
LONG 110 03 09 W REGULATED

INTERNATIONAL GAUGING STATION

MIDDLE CREEK NEAR THE SASKATCHEWAN BOUNDARY - STATION NO. 11AB003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	---	---	---	1910
1911	---	---	---	---	1911
1912	---	---	---	---	1912
1913	---	---	---	---	1913
1914	---	---	---	---	1914
1948	---	---	---	---	1948
1950	---	2.15 ON APR 18	0 B ON MAR 1 *	1 530	1950
1951	---	12.5 ON APR 28	0 B ON MAR 1	12 300	1951
1952	---	72.5 ON APR 15 *	0 B ON MAR 1	25 400	1952
1953	---	16.7 ON JUN 3	0 B ON MAR 1	8 440	1953
1954	---	3.26 B ON APR 14	0.003 ON JUL 11	3 080	1954
1955	---	13.1 ON APR 11	0.0148 ON MAR 1	19 800	1955
1956	---	2.83 B ON APR 7	0.014 ON SEP 15	4 270	1956
1957	---	4.33 ON APR 23	0.008 ON SEP 4	7 830	1957
1958	---	10.6 ON APR 1	0.006 ON AUG 23	5 110	1958
1959	---	5.89 ON APR 3	0.0088 ON MAR 1	5 130	1959
1980	---	9.71 ON MAR 28	0 B ON MAR 1	8 430	1980
1981	---	0.0858 ON MAR 14	0 B ON MAR 1	193	1981
1982	---	0.9378 ON MAR 28	0 B ON MAR 1	650	1982
1983	---	6.99 ON JUL 4	0.0038 ON MAR 1	1 980	1983
1984	---	2.51 ON MAY 8	0.0088 ON MAR 1	1 920	1984
1985	---	25.9 B ON APR 14	0.0148 ON MAR 1	19 300	1985
1986	---	20.4 ON MAR 30	0.0148 ON MAR 1	8 730	1986
1987	18.0 AT 13:00 MST ON MAY 18	14.5 ON MAY 18	0.0118 ON MAR 1	12 800	1987
1988	---	1.23 B ON MAR 8	0.018 ON AUG 31	1 330	1988
1989	34.5 AT 06:50 CST ON APR 7 *	23.6 ON APR 7	0.012 ON SEP 25	6 050	1989
1970	17.4 AT 06:20 MST ON APR 11	13.1 ON APR 11	0.0188 ON MAR 23	12 200	1970
1971	16.9 B AT 16:27 CST ON APR 16	9.15 B ON APR 16	0.012 ON OCT 12	5 810	1971
1972	15.5 AT 17:20 CST ON MAR 18	11.9 ON MAR 18	0.0038 ON MAR 1	4 180	1972
1973	0.127 AT 12:20 CST ON APR 30	0.102 ON APR 30	0 ON JUL 28	282	1973
1974	3.96 AT 14:47 CST ON MAY 22	2.70 ON MAY 22	0.0048 ON MAR 1	4 390	1974
1975	8.81 AT 21:30 CST ON MAY 8	6.28 ON MAY 8	0.0038 ON MAR 27	7 070	1975
1976	7.83 B AT 17:22 CST ON MAR 19	5.32 B ON MAR 19	0.012 ON AUG 27	4 890	1976
1977	0.038 AT 18:56 CST ON JUL 13	0.019 ON APR 4	0.001 ON JUN 26	155	1977
1978	3.89 B AT 18:35 CST ON APR 8	2.19 ON APR 18	0.0028 ON MAR 1	3 620	1978
1979	14.9 AT 14:36 CST ON APR 18	11.0 ON APR 18	0.0038 ON MAR 1	10 800	1979
1980	0.167 AT 19:24 CST ON APR 13	0.111 ON APR 12	0.001 ON JUL 10	282	1980
1981	---	0.0818 ON MAR 1	0.001 ON JUN 30	121	1981
1982	8.89 B AT 12:25 CST ON APR 24	5.50 B ON APR 24	0 B ON MAR 1	5 360	1982
1983	0.648 AT 18:45 CST ON MAY 16	0.544 ON MAY 17	0.002 ON AUG 18	330	1983
1984	0.058 AT 20:45 CST ON MAR 23	0.027 ON MAR 23	0 ON JUL 22	105	1984
1985	9.11 AT 20:39 CST ON APR 13	6.78 ON APR 13	0 B ON MAR 1	5 840	1985
1986	18.0 AT 01:37 CST ON SEP 26	12.7 ON MAR 1	0.004 ON AUG 11	7 770	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		6 180	MEAN

MIDDLE FORK CREEK IN CIRQUE NEAR SEEBE - STATION NO. 05BF020

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR JUN TO SEP IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	---	---	---	---	---	---	0.020	---	---	---	---	1984
1985	---	---	---	---	---	---	0.119	0.032	0.025	---	---	---	---	1985
1986	---	---	---	---	0.044	0.100	0.071	0.022	0.011	---	---	---	0.051	1986
1987	---	---	---	---	0.023	0.148	0.081	0.020	0.007	0.005	0.002	0.001	0.084	1987
1988	0.001	0	0	0	0.022	0.118	0.074	0.033	0.022	0.017	0.005	0.003	0.062	1988
1989	0.001	0.001	---	---	0.081	0.115	0.087	0.013	0.006	0.004	0.002	0.001	0.054	1989
1970	0.001	0	0	0	0.018	0.132	0.062	0.010	0.005	0.004	0.002	0.001	0.047	1970
1971	0	0	0	---	---	0.132	0.045	0.013	0.005	0.004	0.001	0.001	0.049	1971
1972	0	0	0	0	0.018	0.132	0.074	0.033	0.011	0.010	0.004	0.001	0.052	1972
1973	0	0	0	0	0.031	0.117	0.057	0.011	0.014	0.003	0.002	0	0.049	1973
1974	0	0	0	0	0.003	0.184	0.058	0.025	0.013	0.008	---	---	0.055	1974
1975	---	---	---	---	---	0.075	---	---	0.012	0.008	---	---	---	1975
1976	---	---	---	---	---	0.099	0.081	0.058	0.033	---	---	---	0.067	1976
1977	---	---	---	---	0.036	0.073	0.015	0.038	0.034	0.014	---	---	0.040	1977
1978	---	---	---	---	---	---	0.078	0.024	0.018	0.018	---	---	---	1978
1979	---	---	---	---	---	---	0.027	0.008	0.006	---	---	---	---	1979
1980	---	---	---	---	0.051	0.087	0.027	0.029	0.044	0.027	---	---	0.048	1980
1981	---	---	---	---	0.056	0.103	0.106	0.055	0.012	0.008	---	---	0.089	1981
1982	---	---	---	---	---	---	0.057	0.014	0.010	0.010	---	---	---	1982
1983	---	---	---	---	---	0.101	0.058	0.012	0.003	---	---	---	0.043	1983
1984	---	---	---	---	---	0.053	0.036	0.009	0.008	---	---	---	0.028	1984
1985	---	---	---	---	---	0.085	0.027	0.048	0.088	---	---	---	0.057	1985
1986	---	---	---	---	---	0.126	0.041	0.024	0.018	---	---	---	0.051	1986
MEAN	0	0	0	0	0.033	0.110	0.061	0.025	0.017	0.010	0.003	0.001	0.054	MEAN

LOCATION - LAT 50 57 30 N LONG 115 11 55 W
DRAINAGE AREA, 1.17 km^2
NATURAL FLOW

MIDDLE FORK CREEK IN CIRQUE NEAR SEEBE - STATION NO. 05BF020

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR JUN TO SEP FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	---	---	---	---	1964
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1967	0.227E ON JUN 19	0.144 ON JUN 10	---	531	1967
1968	0.215 AT 16:10 MST ON JUN 3	0.178E ON JUN 18	0.005 ON SEP 25	672	1968
1969	0.269 AT 09:00 MST ON JUL 4	0.184 ON JUN 4	0.013 ON SEP 25	850	1969
1970	---	0.258 ON JUL 4	0.004 ON SEP 16	808	1970
1971	0.261 AT 14:00 MST ON JUN 7	0.244 ON JUN 18	0.003 ON SEP 17	484	1971
1972	0.255 AT 12:30 MST ON JUN 11	0.258 ON JUN 7	0.003 ON SEP 28	512	1972
1973	0.288 AT 15:40 MST ON JUN 22	0.235 ON JUN 11	0.008 ON SEP 7	657	1973
1974	0.422 AT 14:40 MST ON JUN 17 *	0.249 ON JUN 24	0.004 ON AUG 28	521	1974
1975	0.176 AT 15:00 MST ON JUN 24	0.386 ON JUN 17 *	0.008 ON JUN 1	701	1975
1976	0.178 AT 20:30 MST ON JUL 1	0.130 ON JUN 24	---	---	1976
1977	0.207 AT 15:30 MST ON JUN 1	0.167 ON JUL 1	0.014 ON SEP 3	709	1977
1978	---	0.142 ON JUN 9	0.011 ON JUL 31	418	1978
1979	---	---	---	---	1979
1980	0.157 AT 15:30 MST ON JUN 12	0.156 ON JUN 13	0.016 ON JUL 21	513	1980
1981	0.139 AT 16:15 MST ON JUN 5	0.135 ON JUN 5	0.006 ON SEP 27	727	1981
1982	---	---	---	---	1982
1983	0.149 AT 21:09 MST ON JUN 8	0.144 ON JUN 8	0.002 ON SEP 8 *	458	1983
1984	0.112 AT 18:13 MST ON JUN 15	0.094 ON JUN 15	0.006 ON AUG 15	278	1984
1985	0.161 AT 22:43 MST ON SEP 15	0.158 ON SEP 15	0.007 ON AUG 6	589	1985
1986	---	0.310 ON JUN 1	0.015 ON SEP 1	541	1986
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		584	MEAN

MIDDLE FORK CREEK NEAR SEEBE - STATION NO. 05BF017

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1963	---	---	---	---	0.073	0.187	0.150	0.043	0.028	0.015	0.009	0.005	---	1963
1964	0.004	0.003	0.003	0.005	0.055	0.347	0.128	0.023	0.035	0.039	0.015	0.008	0.055	1964
1965	0.005	0.005	0.004	0.010	0.049	0.283	0.175	0.068	0.056	0.075	0.024	0.011	0.082	1965
1966	0.008	0.006	0.006	0.008	0.113	0.191	0.105	0.036	0.019	0.015	0.010	0.006	0.044	1966
1967	0.005	0.003	0.003	0.003	0.054	0.289	0.117	0.032	0.013	0.009	0.007	0.004	0.046	1967
1968	0.004	0.003	0.003	0.004	0.065	0.195	0.106	0.053	0.041	0.034	0.013	0.009	0.044	1968
1969	0.006	0.004	0.003	0.019	0.143	0.189	0.164	0.026	0.014	0.011	0.008	0.005	0.050	1969
1970	0.003	0.002	0.002	0.003	0.050	0.227	0.086	0.019	0.012	0.011	0.007	0.005	0.035	1970
1971	0.003	0.002	0.003	0.006	0.106	0.271	0.083	0.025	0.012	0.011	0.007	0.005	0.045	1971
1972	0.003	0.003	0.003	0.004	0.063	0.295	0.125	0.048	0.027	0.021	0.012	0.007	0.052	1972
1973	0.005	0.004	0.003	0.005	0.093	0.225	0.092	0.026	0.033	0.015	0.011	0.007	0.043	1973
1974	0.005	0.004	0.003	---	---	0.320	0.112	0.043	0.032	0.024	0.012	0.008	---	1974
1975	0.005	---	---	---	0.032	0.175	0.100	0.055	0.029	0.018	0.011	0.007	---	1975
1976	0.006	0.005	0.002	0.008	0.146	0.152	0.105	0.076	0.051	0.026	0.012	0.009	0.051	1976
1977	0.006	0.005	0.004	0.014	0.075	0.091	0.032	0.059	0.049	0.028	0.014	0.009	0.032	1977
1978	---	---	---	0.007	0.088	0.239	0.100	0.044	0.033	0.029	0.015	0.009	---	1978
1979	0.005	0.004	0.003	0.005	0.076	0.148	0.053	0.019	0.014	0.009	0.006	0.004	0.029	1979
1980	0.003	0.003	0.002	0.020	0.131	0.176	0.043	0.041	0.056	0.037	0.012	0.009	0.045	1980
1981	0.007	0.005	0.005	0.010	0.148	0.201	0.164	0.085	0.018	0.011	0.008	0.005	0.054	1981
1982	0.004	0.003	0.002	0.003	0.048	0.243	0.082	0.024	0.022	0.021	0.010	0.007	0.039	1982
1983	0.005	0.004	0.004	0.010	0.085	0.138	0.094	0.025	0.015	0.011	0.008	0.005	0.034	1983
1984	0.004	0.003	0.002	0.006	0.038	0.183	0.086	0.021	0.020	0.028	0.011	0.006	0.032	1984
1985	0.005	0.003	0.003	0.007	0.083	0.115	0.039	0.089	0.088	0.034	0.016	0.009	0.040	1985
1986	0.006	0.004	0.004	0.008	0.111	0.199	0.078	0.048	0.023	0.055	0.025	0.012	0.048	1986
MEAN	0.005	0.004	0.003	0.008	0.085	0.211	0.099	0.041	0.031	0.025	0.012	0.007	0.044	MEAN

LOCATION - LAT 50 57 34 N, LONG 115 10 16 W. DRAINAGE AREA, 2.85 km^2. NATURAL FLOW

MIDDLE FORK CREEK NEAR SEEBE - STATION NO 05BF017

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1983	0.588 AT 01:00 MST ON JUN 30	0.483 ON JUN 30	...	...	1983
1984	0.834 AT 12:00 MST ON JUN 8	0.600 ON JUN 8	0.002 ON MAR 22	1 750	1984
1985	0.589 AT 04:00 MST ON JUN 18	0.541 ON JUN 18	0.003 ON MAR 17	1 970	1985
1986	0.388 AT 15:00 MST ON MAY 28	0.289 ON MAY 30	0.004E ON MAR 15	1 380	1986
1987	0.425	0.357 ON JUN 18	0.003 ON FEB 7	1 440	1987
1988	0.402 AT 18:55 MST ON JUN 2	0.333 ON JUN 3	0.003 ON JAN 15	1 400	1988
1989	0.385 AT 20:10 MST ON JUL 3	0.371 ON JUL 4	0.003 ON MAR 8	1 570	1989
1970	0.445 AT 16:30 MST ON JUN 18	0.428 ON JUN 18	0.002 ON FEB 12	1 100	1970
1971	0.685 AT 06:00 MST ON JUN 6	0.612 ON JUN 6	0.001 ON JAN 28 *	1 400	1971
1972	0.561 AT 16:00 MST ON JUN 1	0.481 ON JUN 1	0.002 ON MAR 4	1 880	1972
1973	0.416 AT 16:30 MST ON JUN 22	0.348 ON JUN 23	0.003 ON FEB 25	1 380	1973
1974	0.787A AT 13:55 MST ON JUN 17 *	0.694A ON JUN 17 *	0.003 ON FEB 18	---	1974
1975	0.314 AT 18:45 MST ON JUN 24	0.255 ON JUN 24	...	...	1975
1976	0.311 AT 15:30 MST ON MAY 27	0.221 ON MAY 27	0.002 ON MAR 9	1 810	1976
1977	0.221 AT 17:00 MST ON JUN 1	0.153 ON JUN 9	0.004 ON FEB 14	1 020	1977
1978	0.521 AT 16:30 MST ON JUN 5	0.405 ON JUN 6	---	---	1978
1979	0.410 AT 16:30 MST ON MAY 28	0.276 ON MAY 26	0.003 ON FEB 19	910	1979
1980	0.303 AT 12:00 MST ON JUN 13	0.295 ON JUN 13	0.002 ON MAR 8	1 410	1980
1981	0.813 AT 16:35 MST ON MAY 26	0.531 ON MAY 26	0.004 ON FEB 15	1 710	1981
1982	0.440 AT 16:58 MST ON JUN 14	0.401 ON JUN 15	0.002 ON MAR 13	1 230	1982
1983	0.292 AT 12:52 MST ON MAY 29	0.247 ON MAY 29	0.003 ON MAR 23	1 070	1983
1984	0.353 AT 18:49 MST ON JUN 15	0.304 ON JUN 15	0.002 ON MAR 3	1 020	1984
1985	0.244 AT 21:32 MST ON MAY 24	0.192 ON MAY 25	0.002 ON MAR 7	1 270	1985
1986	0.709 AT 15:15 MST ON MAY 28	0.534 ON MAY 29	0.003 ON FEB 19	1 500	1986
MEAN				1 390	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MIDDLE STREETER CREEK NEAR NANTON - STATION NO 05AB023

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	0	0	0	0	0.002	0.002	0	0	0	0	0	0	0	1984
1985	0	0	0	0	0	0.007	0.006	0	0	0	0	0	0.001	1985
1986	0	0	0	0	0.001	0.018	0.003	0.001	0	0	0	0	0.002	1986
1987	0	0	0	0	0.028	0.027	0.003	0	0	0	0	0	0.005	1987
1988	0	0	0	0	0	0	0	0	0	0.001	0.001	0	0	1988
1989	0	0	0	0.009	0.012	0.024	0.022	0.002	0.001	0	0	0	0.006	1989
1970	---	---	---	---	---	---	---	---	---	---	---	---	---	1970
MEAN	0	0	0	0.002	0.007	0.013	0.006	0.001	0	0	0	0	0.002	MEAN

LOCATION - LAT 50 06 31 N LONG 114 03 00 W DRAINAGE AREA 0.81 km^2 NATURAL FLOW

MIDDLE STREETER CREEK NEAR NANTON - STATION NO 05AB023

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	0.008E ON MAY 1	0.008E ON MAY 1	0 ON JAN 1 *	13.1	1984
1985	0.028 AT 01:00 MST ON JUL 1	0.026 ON JUL 1	0 ON JAN 1	34.3	1985
1986	0.051 AT 02:00 MST ON JUN 7	0.048 ON JUN 8	0 ON JAN 1	51.7	1986
1987	0.095 AT 22:00 MST ON MAY 22	0.091 ON MAY 22	0 ON JAN 1	145	1987
1988	---	0.002 ON OCT 8	0 ON JAN 1	3.03	1988
1989	0.127 AT 08:50 MST ON JUN 27 *	0.122 ON JUN 27 *	0 ON JAN 1	181	1989
1970	---	---	0 ON JAN 8	---	1970
MEAN				71.4	MEAN

E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MIDDLE STREETER SPRING NO 1 NEAR NANTON - STATION NO 05AB026

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	0	0	0	0	0.007	0.006	0.003	0.002	0.001	0.001	0.001	0.001	0.002	1984
1985	0	0	0	0	0.002	0.005	0.008	0.003	0.001	0.002	0.001	0.001	0.002	1985
1986	0.001	0.001	0	0.001	0.003	0.012	0.004	0.002	0.001	0.001	0.001	0.001	0.002	1986
1987	0	0	0	0	0.010	0.018	0.004	0.002	0.001	0.001	0.001	0.001	0.002	1987
1988	0	0	0	0	0.001	0.002	0.002	0.001	0.001	0.001	0.001	0.001	0.003	1988
1989	0.001	0.001	0.001	0.007	0.008	0.009	0.015	0.003	0.001	0.001	0.001	0.001	0.004	1989
1970	0	0.001	0.001	0.001	0.003	0.008	0.004	0.002	0.001	0.001	0.001	0	0.002	1970
1971	0	0	0	0.001	0.002	0.003	0.003	0.001	0.001	0.001	0	0	0.001	1971
1972	0	0	0	0.001	0.008	0.007	0.003	0.001	0.001	0.001	0.001	0.001	0.002	1972
1973	0.001	0.001	0.001	0.001	0.007	0.007	0.002	0.001	0.001	0.001	0	0	0.002	1973
1974	0	0	0	0.001	0.010	0.008	0.003	0.001	0.001	0.001	0.001	0.001	0.003	1974
1975	0	0	0	0	0.009	0.012	0.005	0.002	0.001	0.001	0.001	0.001	0.003	1975
1976	0.001	0.001	0	0.002	0.003	0.003	0.002	0.003	0.002	0.001	0.001	0.001	0.002	1976
1977	0.001	0.001	0	0.001	0.001	0.001	0.001	0.001	0	0	---	---	---	1977
MEAN	0	0	0	0.001	0.005	0.007	0.004	0.002	0.001	0.001	0.001	0.001	0.002	MEAN

LOCATION - LAT 50 06 32 N LONG 114 03 04 W NATURAL FLOW

MIDDLE STREETER SPRING NO 1 NEAR NANTON - STATION NO 05AB035

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	---	0.010E ON MAY 11	0 ON JAN 1 *	52.1	1964
1965	---	0.013E ON JUN 30	0E ON JAN 1	51.5	1965
1966	---	0.026 ON JUN 8	0 ON MAR 1	73.9	1966
1967	---	0.026 ON MAY 24	0 ON JAN 5	97.2	1967
1968	---	0.004 ON OCT 5	0E ON JAN 1	45.4	1968
1969	0.042 AT 00 00 MST ON JUL 1 *	0.040 ON JUN 29 *	0 ON DEC 30	128	1969
1970	---	0.009 ON JUN 22	0 ON JAN 1	52.9	1970
1971	0.005 AT 22 00 MST ON JUN 21	0.004 ON JUN 14	0 ON JAN 1	32.7	1971
1972	0.016 AT 20 00 MST ON JUN 1	0.015 ON MAY 31	0 ON JAN 1	84.4	1972
1973	0.014 AT 00 00 MST ON JUN 1	0.014 ON JUN 1	0 ON NOV 3	62.3	1973
1974	0.028 AT 15 40 MST ON MAY 25	0.028 ON MAY 26	0 ON JAN 1	74.4	1974
1975	0.024 AT 10 30 MST ON JUN 24	0.024 ON JUN 24	0 ON JAN 1	85.5	1975
1976	0.004 AT 00 30 MST ON AUG 23	0.004 ON MAY 23	0 ON FEB 8	48.7	1976
1977	0.001 AT 15 00 MST ON JUN 15	0.001E ON JUN 1	0 ON FEB 6	---	1977
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		67.8	MEAN

MIDDLE STREETER SPRING NO 2 NEAR NANTON - STATION NO 05AB035

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	---	---	---	---	0.002	0.001	0.001	0.003	0.002	0.001	---	1968
1969	0.001	0.001	0.001	0.004	0.005	0.004	0.005	0.002	0.001	0.001	0.001	0.001	0.002	1969
1970	0	0	0.001	0.001	0.003	0.005	0.003	0.001	0.001	0.001	0.001	0.001	0.001	1970
1971	0.001	0.001	0	0.001	0.001	0.003	0.002	0.001	0.001	0.001	0.001	0.001	0.001	1971
1972	0	0	0.001	0.001	0.005	0.004	0.002	0.001	0.001	0.001	0	0	0.001	1972
1973	0	0.001	0.001	0.001	0.004	0.003	0.002	0.001	0.001	0.001	0.001	0.001	0.001	1973
1974	0	0	0	0.001	0.005	0.004	0.003	0.001	0.001	0.001	0.001	0.001	0.001	1974
1975	0	0	0	0	0.005	0.005	0.003	0.001	0.001	0.001	0.001	0.001	0.002	1975
1976	---	---	---	0.001	0.003	0.002	0.001	0.003	0.002	0.001	0.001	0.001	---	1976
1977	0.001	0	0	0.001	0.001	0.001	0.001	0	0	0	0	0	0	1977
1978	0	0	0	0	0.005	0.004	0.002	0.001	0.001	0.001	0.001	0	0.001	1978
1979	0	0	0	0	0.004	0.002	0.001	0.001	0	0	0	0	0.001	1979
1980	0	0	0	0.001	0.001	0.002	0.001	0.001	0	0	0	0	0	1980
1981	0	0	0	0	0.003	0.004	0.003	0.002	0.001	0	0	0	0.001	1981
1982	0	0	0	0	0	0.002	0.002	0.001	0.001	0	0	0	0.001	1982
1983	0	0	0	0	0.002	0.002	0.001	0.001	0	0	0	0 R	0.001R	1983
MEAN	0	0	0	0.001	0.003	0.003	0.002	0.001	0.001	0.001	0.001	0.001R	0.001	MEAN

LOCATION - LAT 50 06 18 N
LONG 114 03 12 W NATURAL FLOW

R - REVISED SINCE JAN 1980

MIDDLE STREETER SPRING NO 2 NEAR NANTON - STATION NO 05AB035

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	---	---	---	1968
1969	---	0.005 ON JUN 26 *	0 ON DEC 12 *	70.1	1969
1970	---	0.006 ON JUN 19	0E ON JAN 1	47.1	1970
1971	0.005 AT 01 00 MST ON JUN 12	0.005 ON JUN 11	0 ON FEB 21	30.4	1971
1972	0.007 AT 10 00 MST ON MAY 28 *	0.007 ON MAY 28	0E ON JAN 1	45.1	1972
1973	0.006 AT 07 10 MST ON MAY 30	0.006 ON MAY 30	0 ON JAN 16	43.9	1973
1974	0.007 AT 08 30 MST ON MAY 25	0.007 ON MAY 23	0E ON JAN 1	43.3	1974
1975	0.007 AT 22 00 MST ON JUN 23	0.007 ON MAY 12	0 ON JAN 1	47.7	1975
1976	0.004 AT 23 00 MST ON AUG 15	0.004 ON AUG 13	---	---	1976
1977	0.001 AT 15 30 MST ON JUN 15	0.001E ON JAN 1	0E ON JAN 23	12.6	1977
1978	0.007 AT 17 40 MST ON MAY 31	0.007 ON MAY 31	0E ON JAN 1	42.4	1978
1979	0.005 AT 13 00 MST ON MAY 17	0.005 ON MAY 17	0 ON JAN 1	24.9	1979
1980	0.002 AT 06 00 MST ON JUN 14	0.002 ON JUN 3	0 ON JAN 1	14.7	1980
1981	0.007 AT 14 25 MST ON MAY 20	0.007 ON MAY 20	0 ON JAN 1	36.0	1981
1982	0.003 AT 13 21 MST ON JUL 7	0.003 ON JUN 13	0E ON JAN 1	18.2	1982
1983	0.003 AT 22 52 MST ON JUN 1	0.003 ON MAY 28	0 ON JAN 1	17.9R	1983
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD R - REVISED SINCE JAN 1 1986		35.3R	MEAN

MIETTE RIVER NEAR JASPER - STATION NO 07AA001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	---	43.6	34.1	11.3	8.90	6.70	3.44	1.11	---	1914
1915	0.876	0.686	0.882	4.03	19.5	28.4	23.9	14.4	5.87	4.35	2.81	1.28	8.97	1915
1916	0.543	0.757	0.948	3.86	11.3	44.3	38.8	20.1	12.2	7.86	3.35	1.51	12.2	1916
1917	0.986	1.13	0.540	1.53	14.6	36.9	31.4	10.5	7.22	11.2	5.33	3.74	10.5	1917
1918	1.74	1.48	1.24	4.20	14.5	50.2	38.5	14.2	7.67	5.09	2.65	1.84	12.0	1918
1919	1.02	0.842	0.[illegible]	2.72	16.7	34.9	37.3	15.7	9.27	3.39	2.03	0.776	10.5	1919
1920	0.731	0.688	0.5[illegible]	0.639	8.17	38.7	51.8	26.8	14.1	9.59	3.05	1.88	14.0	1920
1921	1.74	1.24	0.924	---	---	---	---	---	---	---	---	---	---	1921
1973	---	---	---	---	---	---	23.8	11.9	5.44	6.10	---	---	---	1973
1974	---	---	---	2.07	10.5	55.1	39.2	14.7	9.54	7.07	---	---	---	1974
1975	---	---	---	---	10.1	33.3	28.7	14.[illegible]	7.31	4.85	5.49	2.19	---	1975
1976	1.38	1.17	1.11	2.21	23.6	34.9	39.5	25.6	13.3	6.33	2.13	1.65	12.9	1976
1977	1.14	0.883	0.609	2.14	13.9	38.4	30.4	14.9	12.8	5.39	2.35	1.36	10.4	1977
1978	0.847	0.491	0.827	1.72	12.2	47.5	31.7	13.8	25.4	10.1	3.41	2.03	13.5	1978
1979	0.512	0.706	0.623	1.12	10.9	43.4	28.9	10.3	5.67	3.45	0.963	1.02	8.99	1979
1980	0.554	0.511	0.518	4.12	23.8	32.9	16.6	11.1	9.67	6.47	3.21	3.41	9.43	1980
1981	2.01	0.846	0.883	1.40	23.9	25.8	24.6	11.7	7.37	3.13	1.93	1.80	8.82	1981
1982	0.893	0.732	0.652	0.849	9.90	54.8	34.8	14.9	11.9	6.29	2.01	1.58	11.6	1982
1983	1.19	0.837	0.884	1.55	15.4	27.2	19.1	8.58	6.97	3.86	3.72	1.34	7.58	1983
1984	0.856	0.878	0.840	1.67	5.16	44.8	30.6	12.0	16.7	7.34	2.20	1.29	10.4	1984
1985	0.991	0.856	0.748	1.37	23.6	32.3	19.9	8.59	8.12	4.06	1.89	1.05	8.67	1985
1986	0.715	0.823	0.741	1.18	20.7	52.6	27.7	10.5	6.04	4.21	2.08	1.28	10.7	1986
MEAN	1.04	0.841	0.786	2.12	15.2	40.0	31.6	14.2	10.1	6.04	2.85	1.67	10.6	MEAN

LOCATION - LAT 52 51 50 N DRAINAGE AREA, 830 km²
LONG 118 06 21 W NATURAL FLOW

MIETTE RIVER NEAR JASPER - STATION NO 07AA001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	87.4 ON JUN 17	---	---	1914
1915	---	85.0 ON JUN 26	0.2278 ON MAR 21	283 000	1915
1916	---	88.6 ON JUN 20	0.1138 ON JAN 29 *	387 000	1916
1917	---	86.3 ON JUN 17	0.4228 ON MAR 5	330 000	1917
1918	---	88.9 ON JUN 11	0.8508 ON FEB 16	377 000	1918
1919	---	70.8 ON JUN 22	0.4538 ON MAR 12	331 000	1919
1920	---	94.6 ON JUL 2	0.1708 ON MAR 30	441 000	1920
1921	---	2.108 ON JAN 20	0.7938 ON FEB 23	---	1921
1973	91.7 AT 23 00 MST ON JUN 24	87.2 ON JUN 24	---	---	1973
1974	121 AT 03 00 MST ON JUN 23	114 ON JUN 23	---	---	1974
1975	52.4 AT 01 00 MST ON JUL 5	46.2 ON JUN 25	---	---	1975
1976	72.8 AT 24 00 MST ON JUN 19	67.4 ON JUN 20	0.5388 ON APR 5	408 000	1976
1977	80.7 AT 01 00 MST ON JUN 8	73.1 ON JUN 8	0.5698 ON MAR 21	328 000	1977
1978	87.8 AT 23 00 MST ON JUN 5	81.8 ON JUN 6	0.4628 ON FEB 14	394 000	1978
1979	83.9 AT 23 30 MST ON JUN 4	80.3 ON JUN 5	0.4008 ON JAN 15	284 000	1979
1980	49.4 AT 22 05 MST ON JUN 4	47.0 ON JUN 17	0.8008 ON JAN 30	298 000	1980
1981	89.3 AT 23 45 MST ON MAY 26	86.8 ON MAY 26	0.7058 ON FEB 12	278 000	1981
1982	86.3 AT 01 55 MST ON JUN 15	82.9 ON JUN 15	0.5808 ON MAR 30	367 000	1982
1983	88.7 AT 00 50 MST ON MAY 31	59.3 ON MAY 31	0.7508 ON DEC 28	239 000	1983
1984	123 AT 20 40 MST ON JUN 28 *	116 ON JUN 28 *	0.6508 ON MAR 1	328 000	1984
1985	79.4 AT 02 55 MST ON MAY 25	71.7 ON MAY 25	0.5048 ON MAR 28	273 000	1985
1986	116 AT 02 15 MST ON MAY 31	110 ON MAY 31	0.5368 ON FEB 19	338 000	1986
				334 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MILK RIVER AT EASTERN CROSSING OF INTERNATIONAL BOUNDARY - STATION NO 11AA031

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	---	2 08	2 08	---	---	---	1909
1910	---	---	---	---	5 24	3 06	0 784	0 130	1 24	1 20	---	---	---	1910
1911	---	---	---	8 07	10 3	9 85	6 51	3 30	12 0	6 74	---	---	---	1911
1912	---	---	---	19 4	8 02	3 85	3 17	1 69	1 71	2 21	---	---	---	1912
1913	---	---	---	26 7	13 5	8 89	5 02	2 41	0 893	1 88	2 88	---	---	1913
1914	---	---	---	14 2	4 48	2 91	0 736	0 207	0 854	4 74	1 84	0 573	---	1914
1915	---	---	---	8 52	6 35	15 6	9 09	5 77	5 55	5 47	3 25	1 19	---	1915
1916	---	---	20 7	10 9	12 4	21 7	19 2	7 43	7 47	6 00	3 84	2 05	13 2	1916
1917	---	---	---	45 1	26 9	16 3	7 85	8 26	6 24	2 17	3 31	---	---	1917
1918	---	---	---	10 1	7 28	7 79	10 6	8 51	2 79	1 22	0 943	---	---	1918
1919	---	---	---	6 52	12 0	11 7	9 46	5 60	6 20	1 83	---	---	---	1919
1920	---	---	---	26 7	36 5	14 7	15 0	11 5	1 39	0 916	---	---	---	1920
1921	---	---	---	10 3	9 43	12 6	9 90	5 01	0 615	0 442	---	---	---	1921
1922	---	---	2 24	14 8	14 2	10 7	12 5	8 07	5 60	1 78	---	---	8 70	1922
1923	---	---	2 94	9 25	11 1	23 4	14 0	9 17	4 22	0 946	---	---	9 35	1923
1924	---	---	3 27	10 1	8 78	20 2	12 6	15 1	5 50	1 81	---	---	9 40	1924
1925	---	---	---	22 5	19 8	19 5	14 4	12 6	9 31	8 74	---	---	---	1925
1926	---	---	---	4 26	11 7	14 2	14 1	3 12	5 04	1 23	---	---	---	1926
1927	---	---	---	29 1	55 0	43 4	19 7	25 1	10 9	7 26	---	---	---	1927
1928	---	---	---	17 3	12 4	23 4	27 7	15 2	7 25	3 90	---	---	---	1928
1929	---	---	12 5	19 4	18 9	25 4	13 7	11 9	8 86	4 84	---	---	14 4	1929
1930	---	---	12 5	17 0	11 3	9 84	14 9	13 0	7 88	1 83	---	---	11 0	1930
1931	---	---	---	3 15	11 3	13 8	15 3	15 6	6 26	1 02	---	---	---	1931
1932	---	---	7 54	12 3	20 1	22 7	17 0	16 1	8 04	1 11	---	---	13 1	1932
1933	---	---	7 52	18 1	22 2	17 8	16 1	15 6	9 88	3 27	---	---	13 8	1933
1934	---	---	10 4	10 8	23 6	26 9	20 8	18 0	4 57	1 71	1 99	1 19	14 6	1934
1935	1 81	12 9	5 72	16 6	16 9	17 6	20 1	16 4	9 35	1 10	---	---	12 9	1935
1936	---	---	9 62	14 2	11 7	20 1	19 0	16 0	2 48	1 42	0 807	0 247	11 8	1936
1937	0 018	0 003	1 95	16 6	20 3	19 4	18 3	18 9	7 56	2 09	0 595	0 294	13 1	1937
1938	0 121	0 455	12 9	12 3	23 6	20 2	22 0	18 6	8 57	1 45	---	---	15 0	1938
1939	---	---	5 92	4 72	17 1	21 2	19 0	14 3	1 99	0 373	---	---	10 6	1939
1940	---	---	8 77	7 74	12 1	16 9	19 0	11 5	1 37	0 802	---	---	9 78	1940
1941	---	---	2 90	2 89	13 4	17 4	17 4	9 32	3 12	0 915	---	---	8 44	1941
1942	---	---	2 34	18 6	24 3	18 2	18 7	16 3	13 8	3 73	---	---	14 5	1942
1943	---	---	10 0	17 5	8 97	18 7	16 3	15 3	14 9	5 37	---	---	13 3	1943
1944	---	---	1 52	4 44	13 7	14 5	10 0	11 1	2 55	0 412	---	---	7 29	1944
1945	---	---	6 29	2 27	17 0	21 8	17 0	14 8	15 3	4 25	---	---	12 3	1945
1946	---	---	5 30	10 3	17 6	20 3	17 2	14 7	16 6	4 02	---	---	13 2	1946
1947	---	---	33 6	19 6	13 4	18 2	17 1	17 1	16 0	3 79	---	---	17 3	1947
1948	---	---	4 69	31 7	20 0	36 3	20 4	19 0	15 2	4 30	---	---	16 8	1948
1949	---	---	3 82	11 3	17 9	17 7	15 7	14 2	11 7	1 89	---	---	11 8	1949
1950	---	---	3 83	18 1	16 4	20 1	19 5	16 5	14 7	15 6	---	---	15 4	1950
1951	---	---	15 0	28 4	21 3	26 7	29 6	22 9	17 0	8 17	---	---	21 1	1951
1952	---	---	27 2	40 6	13 2	5 67	13 8	16 7	15 4	7 86	---	---	17 7	1952
1953	---	---	4 84	23 1	38 2	62 9	12 6	15 9	15 8	6 07	---	---	22 3	1953
1954	---	---	4 59	21 0	22 1	20 4	17 7	18 2	8 88	3 31	---	---	14 5	1954
1955	---	---	2 58	22 9	24 9	16 7	26 8	16 2	11 9	2 31	---	---	15 5	1955
1956	---	---	8 65	14 9	24 1	22 1	22 7	19 1	16 3	11 4	---	---	17 4	1956
1957	---	---	12 3	12 1	28 4	23 0	15 4	15 6	13 0	3 39	---	---	15 4	1957
1958	---	---	5 73	32 2	18 4	22 7	19 4	17 1	11 7	1 67	---	---	16 0	1958
1959	---	---	19 7	21 6	29 2	23 7	17 9	17 4	18 7	9 35	---	---	19 7	1959
1960	---	---	21 3	9 27	23 6	19 7	17 1	17 5	14 0	1 15	---	---	15 5	1960
1961	---	---	3 49	12 7	16 4	20 1	17 2	16 7	14 6	3 57	---	---	13 1	1961
1962	---	---	8 35	19 8	21 6	19 8	17 9	16 1	3 80	0 880	---	---	13 5	1962
1963	---	5 80	3 10	13 7	17 9	21 6	20 0	18 0	14 9	0 783	---	---	13 7	1963
1964	---	---	1 26	14 9	33 7	31 0	12 0	19 5	20 1	3 13	---	---	16 9	1964
1965	---	---	9 12	47 9	13 3	37 4	20 2	18 7	17 7	3 58	---	---	20 9	1965
1966	---	---	13 7	11 3	18 3	31 1	20 8	19 9	17 5	3 24	---	---	16 9	1966
1967	---	---	18 0	18 7	49 6	23 2	20 6	19 3	16 4	3 13	---	---	21 5	1967
1968	---	---	11 4	14 5	26 5	25 9	21 7	21 0	20 5	6 26	---	---	18 4	1968
1969	---	---	26 5	34 4	14 3	27 1	26 5	19 0	12 3	2 12	---	---	20 2	1969
1970	---	---	7 36	12 1	20 0	25 0	18 7	18 5	13 5	1 75	---	---	14 6	1970
1971	---	---	6 10	15 2	17 6	11 6	20 7	18 8	18 8	8 46	---	---	14 8	1971
1972	---	---	33 5	14 3	26 1	24 3	22 5	21 5	21 0	11 0	---	---	21 8	1972
1973	---	---	5 80	5 01	13 1	19 4	17 8	16 7	2 26	0 446	---	---	10 0	1973
1974	---	---	7 37	20 6	28 9	20 2	21 0	19 0	16 9	2 07	---	---	17 0	1974
1975	---	---	0 463	19 0	47 0	36 2	15 8	21 9	19 6	5 15	---	---	20 6	1975
1976	---	---	11 7	11 0	22 8	24 7	22 6	21 6	17 1	5 66	---	---	17 1	1976
1977	---	---	3 12	4 41	12 4	16 3	7 41	5 23	3 22	1 02	---	---	6 67	1977
1978	---	---	43 1	16 0	12 3	15 1	20 1	20 4	15 4	2 82	---	---	18 2	1978
1979	---	---	41 8	21 6	21 2	20 8	17 9	17 4	7 91	1 03	---	---	18 7	1979
1980	---	---	7 28	20 6	20 9	24 9	19 2	18 2	11 1	1 80	---	---	15 4	1980
1981	---	---	13 6	15 1	29 8	27 2	21 2	17 1	16 3	3 47	---	---	17 9	1981
1982	---	---	8 85	25 8	22 6	24 8	19 3	2 19	0 887	1 25	---	---	13 1	1982
1983	---	---	7 85	14 1	10 6	17 4	19 3	17 1	3 91	0 485	---	---	11 3	1983
1984	---	---	8 03	8 88	8 03	16 8	16 1	15 1	1 15	0 356	---	---	9 28	1984
1985	---	---	3 96	17 9	21 1	21 2	11 9	16 6	17 7	4 40	---	---	14 3	1985
1986	---	---	10 9	8 85	15 1	11 5	15 8	13 5	9 09	2 14	---	---	10 9	1986
MEAN	0 850	4 74	10 4	16 4	19 0	20 2	16 5	14 4	9 97	3 34	2 10	0 924	14 7	MEAN

LOCATION - LAT 48 55 03 N DRAINAGE AREA 6 490 km² INTERNATIONAL GAUGING STATION
LONG 110 38 10 W REGULATED SINCE 1917

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1971 AND 1986

MILK RIVER AT EASTERN CROSSING OF INTERNATIONAL BOUNDARY - STATION NO 11AA031

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	---	---	---	1910
1911	47.0 ON JUN 27	47.0 ON JUN 27	---	---	1911
1912	---	56.9 ON APR 6	---	---	1912
1913	---	52.7 ON APR 14	---	---	1913
1914	---	30.3 ON APR 9	0 ON AUG 3 *	---	1914
1915	---	49.68 ON MAR 24	---	---	1915
1916	---	99.1E ON JUL 3	3.40 ON SEP 28	280 000	1916
1917	---	138 ON APR 9	---	---	1917
1918	---	---	---	---	1918
1919	22.3 AT 22 00 MST ON MAY 12	18.8 ON MAY 13	---	---	1919
1920	112 AT 01 30 MST ON APR 22	96.3 ON MAY 10	---	---	1920
1921	50.1 AT 23 00 MST ON APR 4	32.8 ON APR 4	---	---	1921
1922	54.1 ON JUL 8	49.8A ON APR 24	0 B ON MAR 1	184 000	1922
1923	116 AT 13 15 MST ON JUN 21	66.8 ON JUN 21	0 B ON MAR 1	198 000	1923
1924	51.0 ON JUN 9	49.3 ON JUN 10	0.783 ON OCT 28	199 000	1924
1925	---	56.6B ON MAR 24	---	---	1925
1926	23.1 AT 02 00 MST ON JUN 23	21.2 ON JUN 23	---	---	1926
1927	238 AT 16 40 MST ON MAY 23	211 ON MAY 23 *	---	---	1927
1928	153 B AT 03 00 MST ON MAR 24	134 B ON MAR 23	---	---	1928
1929	72.5 AT 21 00 MST ON JUN 3	67.1 ON JUN 4	0.8508 ON MAR 1	305 000	1929
1930	85.0 AT 06 00 MST ON MAR 31	77.9 ON MAR 31	0.8308 ON OCT 17	232 000	1930
1931	31.1 AT 21 00 MST ON JUL 31	25.3 ON JUL 31	---	---	1931
1932	83.3A AT 11 00 MST ON JUN 16	53.5A ON JUN 17	0.957 ON OCT 18	277 000	1932
1933	51.5 AT 11 00 MST ON APR 25	43.0 ON APR 25	0 B ON MAR 1	292 000	1933
1934	84.3 AT 14 45 MST ON JUN 10	62.3 ON JUN 10	0.779 ON OCT 15	309 000	1934
1935	95.7 AT 23 00 MST ON APR 18	68.2 ON APR 19	0.1988 ON OCT 30	274 000	1935
1936	80.7 AT 00 00 MST ON APR 13	66.0 ON APR 13	0.5668 ON APR 1	280 000	1936
1937	100 AT 01 40 MST ON JUN 15	77.9 ON JUN 15	0.0038 ON MAR 1	278 000	1937
1938	84.1 AT 02 00 MST ON APR 12	43.8 ON APR 12	0.691 ON OCT 1	317 000	1938
1939	60.8B AT 02 00 MST ON MAR 19	40.2 ON JUN 24	0.0578 ON MAR 6	224 000	1939
1940	39.9B AT 18 00 MST ON MAR 5	24.58 ON MAR 6	0 B ON MAR 1	207 000	1940
1941	51.5A ON JUN 29	41.3A ON JUN 29	0.2838 ON MAR 1	179 000	1941
1942	57.2 AT 21 00 MST ON APR 4	46.1 ON JUN 8	0.1428 ON MAR 1	307 000	1942
1943	93.7B AT 18 00 MST ON MAR 30	53.2 ON MAR 31	0.7088 ON MAR 17	282 000	1943
1944	20.0 AT 10 00 MST ON AUG 8	18.1 ON AUG 9	0.1138 ON MAR 1	154 000	1944
1945	32.0 AT 17 00 MST ON JUN 9	30.9 ON JUN 9	0 ON MAR 1	261 000	1945
1946	49.3 AT 19 00 MST ON JUN 5	29.7 ON JUN 24	1.55 ON OCT 24	280 000	1946
1947	246 B AT 02 30 MST ON MAR 23	187 B ON MAR 22	0.4258 ON MAR 12	367 000	1947
1948	151 AT 02 00 MST ON JUN 20	132 ON APR 19	0.1428 ON MAR 1	399 000	1948
1949	31.4 AT 01 30 MST ON MAY 23	28.4 ON MAY 23	0.0578 ON MAR 1	249 000	1949
1950	53.2 AT 08 00 MST ON APR 19	45.9 ON APR 19	0.8508 ON MAR 6	327 000	1950
1951	159 AT 06 00 MST ON JUN 27	124 ON JUN 27	0 B ON MAR 15	447 000	1951
1952	270 AT 02 00 MST ON MAR 31	205 ON MAR 29	2.10 ON OCT 31	374 000	1952
1953	214 AT 03 00 MST ON JUN 6	199 ON JUN 6	0.8508 ON MAR 1	471 000	1953
1954	---	47.98 ON APR 7	2.69 ON OCT 26	307 000	1954
1955	134 AT 05 30 MST ON JUL 12	77.5 ON JUL 12	0 B ON MAR 1	328 000	1955
1956	63.1 AT 13 00 MST ON JUL 6	56.1 ON JUL 6	0 B ON MAR 1	368 000	1956
1957	39.1 AT 21 00 MST ON MAY 10	36.8 ON MAY 11	2.29 ON OCT 17	326 000	1957
1958	102 AT 05 00 MST ON APR 2	93.7 ON APR 2	0.4258 ON MAR 2	339 000	1958
1959	50.1B AT 13 00 MST ON MAR 25	39.1 ON MAY 22	2.55 ON OCT 29	417 000	1959
1960	115 B AT 03 00 MST ON MAR 22	83.0B ON MAR 22	0.568E ON MAR 2	327 000	1960
1961	30.6 AT 12 00 MST ON MAY 20	28.6 ON MAY 20	1.42 B ON MAR 6	277 000	1961
1962	41.9B AT 06 00 MST ON MAR 23	32.8B ON MAR 23	0.0858 ON MAR 13	286 000	1962
1963	45.9 AT 23 00 MST ON JUN 28	29.2 ON JUL 4	0.340A ON OCT 28	290 000	1963
1964	220 AT 07 00 MST ON JUN 11	164 ON JUN 11	0.8238 ON MAR 10	357 000	1964
1965	303 AT 06 30 MST ON APR 9 *	189 ON APR 9	2.52 ON OCT 30	443 000	1965
1966	84.1 AT 21 00 MST ON JUN 6	62.3 ON JUN 7	0 ON MAR 1	358 000	1966
1967	195 B AT 18 45 MST ON MAR 24	150 ON MAY 10	1.78 ON OCT 18	455 000	1967
1968	85.0B AT 06 00 MST ON MAR 6	44.7 ON JUN 10	3.65 ON OCT 31	391 000	1968
1969	120 A AT 06 00 MST ON APR 13	112 ON APR 2	0.7088 ON MAR 6	428 000	1969
1970	81.8 AT 23 00 MDT ON JUN 16	59.2 ON JUN 16	0.963 ON OCT 29	309 000	1970
1971	---	33.1 ON MAY 21	1.76 ON OCT 29	312 000	1971
1972	142 B AT 07 30 MST ON MAR 19	130 B ON MAR 19	0.0088 ON MAR 1	461 000	1972
1973	34.5 AT 17 15 MST ON JUN 15	27.9 ON JUN 15	0.396A ON OCT 12	213 000	1973
1974	52.4 AT 08 45 MST ON MAY 21	46.4 ON MAY 3	1.10 ON OCT 30	380 000	1974
1975	238 AT 04 00 MST ON JUN 23	184 ON JUN 22	0 B ON MAR 1	436 000	1975
1976	59.2B AT 13 00 MST ON MAR 21	46.2B ON MAR 21	1.25 E ON OCT 31	353 000	1976
1977	22.5 AT 15 30 MST ON MAY 15	21.3 ON MAY 29	0.823 ON OCT 31	145 000	1977
1978	204 B AT 09 00 MST ON MAR 27	193 B ON MAR 27	0.1138 ON MAR 1	385 000	1978
1979	175 B AT 16 00 MST ON MAR 8	158 B ON MAR 8	0.1428 ON MAR 1	395 000	1979
1980	59.2 AT 05 00 MDT ON MAY 29	53.0 ON MAY 29	0.891 ON OCT 10	327 000	1980
1981	60.5 AT 15 00 MDT ON MAY 18	49.0 ON MAY 19	1.90 E ON OCT 31	380 000	1981
1982	148 AT 05 00 MST ON APR 14	115 ON APR 14	0.283 ON SEP 12	276 000	1982
1983	30.3 AT 19 00 MDT ON JUL 10	28.6 ON JUL 10	0.340 ON OCT 28	240 000	1983
1984	35.4 AT 18 30 MST ON AUG 2	23.0 ON AUG 4	0.2278 ON OCT 31	197 000	1984
1985	62.4 AT 10 00 MST ON MAY 30	33.7 ON JUN 2	0.2838 ON MAR 6	303 000	1985
1986	---	40.8 ON MAR 1	1.27 E ON OCT 31	230 000	1986
				311 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MILK RIVER AT MACKIE'S RANCH - STATION NO. 11AA004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	2.31	1.05	0.980	---	---	---	1909
1910	---	---	---	3.91	3.44	2.02	0.425	0.125	0.872	0.845	---	---	---	1910
1911	---	---	---	---	7.78	7.19	2.54	1.52	4.00	2.10	---	---	---	1911
1912	---	---	---	---	5.91	2.23	1.80	1.01	0.928	1.21	---	---	---	1912
1913	---	---	---	---	8.39	6.11	2.84	1.48	0.520	1.76	---	---	---	1913
1914	---	---	---	---	---	1.70	0.424	0.281	0.324	1.97	---	---	---	1914
1915	---	---	---	2.26	3.69	7.05	3.93	1.73	3.66	2.84	---	---	---	1915
MEAN	---	---	---	3.09	5.04	4.38	1.99	1.21	1.63	1.64	---	---	---	MEAN

LOCATION - LAT 49 05 00 N DRAINAGE AREA, 1 190 km²
LONG 112 24 00 W NATURAL FLOW

MILK RIVER AT MACKIE'S RANCH - STATION NO. 11AA004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	6.85 ON MAY 18	---	---	1910
1911	---	27.8 ON JUN 25 *	---	---	1911
1912	---	16.9 ON MAY 22	---	---	1912
1913	---	15.7 ON APR 18	---	---	1913
1914	---	---	0 ON AUG 5 *	---	1914
1915	---	24.3 ON JUN 26	---	---	1915
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

MILK RIVER AT MILK RIVER - STATION NO 11AA005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	16.6	8.47	3.66	2.22	2.03	---	---	---	1909
1910	---	---	---	---	5.77	4.93	2.62	0.884	0.592	1.56	1.53	---	---	1910
1911	---	---	---	---	8.72	11.2	10.1	3.64	2.56	7.15	3.38	3.56	2.23	---	1911
1912	1.07	2.19	6.62	15.6	8.29	2.88	3.57	1.76	1.83	2.20	2.55	0.374	4.09	1912
1913	0.203	0.242	0.198	21.1	11.7	7.24	3.35	2.08	1.16	2.46	1.70	1.26	4.38	1913
1914	0.712	0.274	2.61	8.98	4.26	2.02	0.713	0.818	0.784	3.76	2.26	0.793	2.32	1914
1915	0.740	0.787	7.16	4.93	5.10	12.2	7.44	4.26	6.36	5.45	3.46	1.77	4.99	1915
1916	0.891	15.6	13.6	9.41	13.8	18.3	10.0	6.39	6.16	6.13	4.29	2.87	8.87	1916
1917	1.71	1.79	2.32	39.2	23.9	15.2	10.1	10.2	6.09	2.69	3.10	1.84	9.84	1917
1918	6.28	2.00	6.11	8.38	6.88	9.40	12.5	6.03	2.49	1.12	0.941	0.841	5.41	1918
1919	0.626	0.887	1.86	5.85	14.2	11.7	10.3	10.4	5.44	2.49	0.690	0.554	5.44	1919
1920	0.741	0.811	5.49	23.7	25.1	15.2	12.9	10.5	1.16	0.917	0.956	0.527	8.18	1920
1921	0.479	0.988	2.49	10.6	9.03	12.5	9.89	4.29	0.809	0.637	0.435	0.182	4.34	1921
1922	0.045	0	0.097	15.4	12.6	10.6	11.8	9.06	5.85	1.44	0.899	0.058	5.86	1922
1923	0	0	0.594	6.51	10.9	19.4	12.5	9.49	3.17	0.948	0.580	0.309	5.39	1923
1924	0.137	0.877	1.16	9.76	10.1	19.9	13.2	16.1	4.52	0.973	0.917	0.704	6.53	1924
1925	0.129	0.232	5.11	18.6	19.5	18.5	15.1	14.8	11.2	7.57	2.34	2.25	9.83	1925
1926	1.28	1.59	2.09	4.80	12.5	13.3	13.0	3.27	4.17	0.985	0.618	0.189	4.83	1926
1927	0.088	0.058	5.24	20.8	27.8	26.0	19.4	19.0	9.41	6.08	4.02	1.86	11.7	1927
1928	7.86	3.29	18.3	14.6	10.3	22.6	23.2	16.3	5.47	4.55	3.38	1.69	11.0	1928
1929	1.23	1.04	11.7	15.9	12.6	21.3	18.1	13.3	9.04	4.87	2.04	1.33	9.23	1929
1930	0.947	10.5	9.99	14.6	10.1	12.4	15.0	12.7	6.74	1.58	1.34	1.51	8.08	1930
1931	1.08	1.19	3.10	2.80	10.9	13.9	14.7	14.1	4.20	1.77	1.47	0.451	5.85	1931
1932	0.549	3.11	7.04	10.7	20.0	17.1	17.3	17.5	6.67	1.24	1.03	0.333	8.58	1932
1933	0.282	0.587	5.18	12.2	20.7	18.3	18.7	18.1	8.80	2.82	2.40	0.636	9.11	1933
1934	1.87	7.45	6.53	12.0	23.9	22.9	21.4	18.5	2.46	1.46	1.46	0.976	10.1	1934
1935	2.20	4.62	2.76	13.5	16.0	18.8	20.7	18.5	8.86	0.750	0.286	0.847	8.82	1935
1936	0.248	0.061	3.11	10.7	13.8	21.4	20.4	14.3	2.47	1.37	0.907	0.086	7.43	1936
1937	0.028	0.028	0.852	11.8	20.6	16.4	19.3	19.4	5.82	1.15	0.845	0.331	8.08	1937
1938	0.524	0.304	6.04	9.08	19.1	19.5	21.7	19.4	5.87	2.01	2.89	0.566	8.88	1938
1939	0.335	0.200	2.91	6.04	18.3	21.1	20.2	13.8	1.10	0.837	6.30	0.389	7.58	1939
1940	0.084	0.040	1.80	3.86	12.2	17.4	18.6	10.9	0.580	0.361	5.18	0.805	5.88	1940
1941	0.394	0.481	2.11	3.46	14.6	16.0	17.9	8.12	2.86	0.828	0.817	0.844	5.70	1941
1942	0.174	0.633	1.73	18.1	23.0	14.5	19.1	17.4	14.6	1.87	0.827	0.844	9.46	1942
1943	0.249	0.546	8.31	15.4	8.58	20.4	17.4	15.6	15.6	3.85	2.00	0.685	9.07	1943
1944	0.363	0.562	1.29	4.86	14.7	13.8	11.8	9.54	2.15	0.344	0.489	0.381	5.01	1944
1945	0.154	0.315	1.71	2.88	18.5	21.8	17.1	16.0	15.8	3.23	0.852	0.836	8.28	1945
1946	0.380	0.663	3.35	12.4	18.4	18.8	17.4	15.7	15.1	1.98	0.751	0.528	8.89	1946
1947	0.488	1.75	20.1	16.4	12.8	17.5	17.5	17.2	15.0	2.59	1.12	0.808	10.3	1947
1948	0.826	0.298	1.66	27.4	18.1	37.0	21.1	18.3	16.4	2.95	1.86	1.11	12.3	1948
1949	0.584	0.448	2.92	11.7	20.0	18.5	16.5	15.3	11.0	1.68	1.48	0.533	8.43	1949
1950	0.030	0.333	2.49	17.7	17.0	20.7	19.3	15.6	15.5	15.7	3.06	1.11	10.8	1950
1951	0.887	0.636	11.9	24.4	17.9	23.8	27.3	22.0	14.2	7.31	5.11	3.77	13.4	1951
1952	2.42	4.45	12.1	27.4	9.13	4.58	14.0	17.2	17.3	8.53	1.80	1.62	9.86	1952
1953	1.70	2.19	4.52	23.6	32.6	46.2	11.6	16.6	17.1	4.62	2.53	1.77	12.8	1953
1954	1.21	4.33	4.08	18.7	22.7	19.8	19.3	19.6	6.07	2.82	2.11	1.37	10.2	1954
1955	0.557	0.632	3.35	15.6	21.7	16.1	20.0	17.7	10.8	1.89	0.882	1.18	9.26	1955
1956	0.834	1.11	8.34	13.9	25.2	22.0	21.8	18.3	16.7	8.78	2.18	0.708	11.8	1956
1957	0.552	1.35	5.74	11.1	28.1	21.8	16.6	15.9	10.8	1.89	2.35	1.41	9.85	1957
1958	0.910	1.64	3.02	22.6	19.9	22.3	19.6	17.6	10.8	1.41	1.47	1.57	10.3	1958
1959	1.10	1.13	6.47	20.6	28.5	22.8	17.8	18.3	20.2	8.21	1.83	2.29	12.5	1959
1960	0.882	1.17	17.0	7.22	22.4	20.9	18.4	18.2	12.9	0.852	1.00	0.872	10.2	1960
1961	1.03	1.32	3.71	14.5	17.4	21.2	18.9	18.1	13.8	3.07	1.13	0.289	9.58	1961
1962	1.17	2.18	7.33	21.2	21.3	20.8	18.3	17.5	2.25	0.854	0.606	0.543	9.51	1962
1963	0.244	4.02	2.50	18.6	18.7	21.9	19.6	18.2	12.9	0.427	0.385	0.232	9.65	1963
1964	0.202	0.589	1.14	14.3	29.3	28.1	12.8	19.6	16.0	2.32	1.81	0.685	10.8	1964
1965	0.389	2.88	5.24	31.3	11.5	30.1	17.9	20.7	14.8	2.88	1.88	2.08	11.8	1965
1966	0.324	0.880	11.0	8.86	20.0	28.3	20.2	21.0	16.8	2.24	1.88	1.23	11.2	1966
1967	1.28	2.30	11.3	13.0	33.4	21.0	22.2	20.5	16.8	1.90	1.84	1.37	12.5	1967
1968	1.31	2.72	8.82	15.6	25.3	26.8	21.3	20.4	16.5	4.25	3.38	2.10	12.6	1968
1969	0.755	1.18	10.5	29.3	14.7	27.1	23.8	19.9	11.1	2.25	1.89	1.23	12.0	1969
1970	0.450	1.03	2.62	13.2	20.3	23.0	20.1	19.8	11.5	1.58	1.42	0.477	9.86	1970
1971	0.843	6.52	4.05	14.2	16.5	11.3	20.3	18.7	19.0	6.16	1.59	0.248	9.94	1971
1972	0.080	0.101	29.0	11.7	27.7	23.0	22.4	21.2	19.7	7.44	1.41	0.341	13.7	1972
1973	0.824	1.32	4.76	5.08	14.5	19.9	18.7	16.9	0.716	0.400	0.368	0.480	8.96	1973
1974	1.99	0.823	4.58	20.6	25.1	19.3	20.6	18.5	14.8	1.08	0.956	0.532	10.8	1974
1975	0.228	0.102	0.755	6.56	28.3	25.7	14.0	20.8	18.5	3.86	2.12	2.36	10.3	1975
1976	3.41	3.27	7.91	11.9	24.1	25.7	22.6	22.5	20.0	4.68	1.40	1.11	12.4	1976
1977	0.780	1.46	1.05	4.88	15.8	19.1	5.71	5.37	3.04	0.780	0.475	0.349	4.81	1977
1978	0.351	0.498	18.2	8.08	7.98	15.1	17.7	17.3	11.5	2.03	1.58	1.45	8.54	1978
1979	0.400	0.375	18.4	15.2	15.3	21.8	18.7	18.1	6.95	0.789	0.607	0.885	9.77	1979
1980	0.378	0.789	4.03	20.5	20.6	23.8	20.1	18.8	8.54	1.41	1.01	0.885	10.1	1980
1981	1.42	2.50	12.8	13.1	26.4	24.1	19.8	17.8	16.6	1.87	1.36	0.586	11.6	1981
1982	0.098	0.180	3.86	20.5	20.7	20.0	18.0	0.827	0.588	1.12	0.886	0.501	7.28	1982
1983	0.529	0.889	7.64	12.1	9.46	18.9	18.9	17.5	1.28	0.384	0.358	0.109	7.20	1983
1984	0.159	1.09	7.45	8.08	9.42	18.8	18.0	13.4	0.417	0.287	0.563	0.218	6.60	1984
1985	0.028	0.025	4.19	20.8	20.2	20.6	13.4	17.3	14.6	2.86	1.05	0.378	9.63	1985
1986	1.60	17.4	8.62	9.87	11.6	12.8	16.8	16.0	3.87	1.19	0.912	0.857	8.11	1986
MEAN	0.887	1.89	6.17	13.9	17.4	18.9	16.3	14.5	9.09	2.76	1.70	0.969	8.89	MEAN

LOCATION - LAT 49 08 37 N
LONG 112 04 44 W

DRAINAGE AREA, 2 720 km²
REGULATED SINCE 1916

INTERNATIONAL GAUGING STATION

MILK RIVER AT MILK RIVER - STATION NO. 11AA005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	131 ON MAY 23	---	---	---	1909
1910	---	---	---	---	1910
1911	---	58.0 ON JUN 26	---	---	1911
1912	---	42.5 ON APR 3	0.2838 ON DEC 11	129 000	1912
1913	55.2 ON APR 14	53.5 ON APR 14	0.1988 ON JAN 1	139 000	1913
1914	---	25.8 ON APR 6	0.0269 ON FEB 9	73 200	1914
1915	---	34.8 ON JUN 26	0.5958 ON JAN 21	157 000	1915
1916	---	101 B ON FEB 17	0.3409 ON FEB 1	281 000	1916
1917	---	94.3 ON APR 7	0.9638 ON DEC 14	311 000	1917
1918	---	28.3B ON MAR 28	0.2418 ON NOV 20	171 000	1918
1919	---	21.3A ON MAY 10	0.0458 ON DEC 15	171 000	1919
1920	---	83.3A ON APR 21	0.2278 ON DEC 27	259 000	1920
1921	---	45.8B ON APR 3	0.0718 ON DEC 28	137 000	1921
1922	---	54.7A ON APR 23	0 B ON JAN 19 *	179 000	1922
1923	37.4 ON JUN 23	36.5 ON JUN 23	0 B ON JAN 1	170 000	1923
1924	57.28 AT 00:00 MST ON APR 7	52.1 ON JUN 9	0.1138 ON JAN 1	207 000	1924
1925	59.58 AT 12:00 MST ON MAR 30	44.28 ON MAR 30	0.0598 ON JAN 20	304 000	1925
1926	21.8 AT 21:00 MST ON JUN 20	15.5 ON JUN 20	0.0798 ON DEC 16	152 000	1926
1927	247 ON MAY 22	120 ON MAY 22	0 B ON JAN 24	369 000	1927
1928	112 B ON MAR 21	89.2B ON MAR 22	1.47 B ON JAN 1	347 000	1928
1929	55.5 AT 08:00 MST ON JUN 3	54.4 ON JUN 3	0.4988 ON NOV 19	291 000	1929
1930	78.8B AT 11:25 MST ON MAR 30	65.7B ON MAR 30	0.8678 ON JAN 16	255 000	1930
1931	16.1 AT 13:00 MST ON JUL 3	15.6 ON AUG 1	0.2558 ON DEC 19	184 000	1931
1932	34.5 AT 23:00 MST ON MAY 5	31.7 ON MAY 6	0.0428 ON DEC 12	271 000	1932
1933	37.7 AT 02:00 MST ON APR 24	32.0 ON APR 24	0.0428 ON FEB 8	287 000	1933
1934	48.7 AT 13:00 MST ON JUN 9	46.2 ON JUN 9	0.0578 ON JAN 1	318 000	1934
1935	103 AT 20:00 MST ON APR 17	67.1 ON APR 17	0 B ON JAN 15	278 000	1935
1936	85.1 AT 20:45 MST ON APR 11	59.7 ON APR 12	0 B ON FEB 24	235 000	1936
1937	109 AT 01:30 MST ON JUN 14	83.3 ON JUN 14	0.0288 ON JAN 1	255 000	1937
1938	37.7 ON APR 12	31.7 ON MAY 20	0 B ON FEB 15	283 000	1938
1939	24.6 AT 19:00 MST ON JUN 16	24.3 ON JUN 17	0.0858 ON OCT 24	239 000	1939
1940	22.2 AT 15:30 MST ON JUL 18	21.4 ON JUL 28	0 B ON JAN 28	189 000	1940
1941	22.5 ON JUN 6	22.3 ON JUN 6	0.1138 ON DEC 31	180 000	1941
1942	50.4 AT 21:00 MST ON APR 3	42.2 ON APR 4	0 B ON JAN 4	298 000	1942
1943	---	41.3B ON MAR 30	0.0288 ON JAN 29	285 000	1943
1944	18.3 AT 12:00 MST ON MAY 21	17.8 ON MAY 22	0.0858 ON DEC 31	159 000	1944
1945	32.0E ON JUN 8	31.4E ON JUN 8	0.0288 ON JAN 2	280 000	1945
1946	22.3 AT 12:00 MST ON JUN 23	21.4 ON MAY 31	0.0858 ON FEB 2	284 000	1946
1947	151 AT 09:00 MST ON MAY 22	89.2B ON MAR 22	0.2558 ON JAN 4	325 000	1947
1948	174 AT 18:15 MST ON JUN 18	144 ON JUN 18	0.1428 ON FEB 9	390 000	1948
1949	31.7 AT 11:30 MST ON MAY 21	31.4 ON MAY 21	0.0858 ON DEC 30	285 000	1949
1950	58.9 AT 00:00 MST ON APR 17	47.0 ON APR 18	0 B ON JAN 21	339 000	1950
1951	186 AT 20:00 MST ON JUN 25	120 ON JUN 25	0.1708 ON FEB 12	423 000	1951
1952	87.4B AT 01:30 MST ON MAR 30	62.9B ON MAR 30	0.8808 ON NOV 19	312 000	1952
1953	304 AT 21:00 MST ON JUN 4	169 ON JUN 4	0.5868 ON JAN 11	435 000	1953
1954	85.7B AT 22:30 MST ON APR 6	41.9 ON APR 18	0.4538 ON JAN 19	322 000	1954
1955	97.1 AT 19:00 MST ON MAY 19	77.3 ON MAY 20	0.3118 ON JAN 11	292 000	1955
1956	58.9 AT 22:00 MST ON JUL 4	52.1 ON JUL 5	0.3118 ON DEC 13	372 000	1956
1957	38.2 AT 09:00 MST ON MAY 9	37.4 ON MAY 9	0.1428 ON FEB 10	311 000	1957
1958	62.0 AT 04:00 MST ON APR 2	51.3 ON APR 5	0.2558 ON FEB 11	324 000	1958
1959	40.5 AT 07:00 MST ON MAY 20	38.8 ON MAY 20	0.5668 ON JAN 13	394 000	1959
1960	82.1B AT 20:30 MST ON MAR 21	62.3B ON MAR 21	0.3408 ON MAR 5	323 000	1960
1961	30.3 AT 23:00 MST ON MAY 18	28.3 ON MAY 18	0.1598 ON DEC 13	302 000	1961
1962	31.1 AT 15:00 MST ON APR 16	30.3 ON APR 16	0.0988 ON MAR 14	300 000	1962
1963	---	29.4B ON FEB 7	0.0288 ON JAN 23	305 000	1963
1964	230 AT 23:00 MST ON JUN 9	129 ON JUN 9	0.1138 ON JAN 23	340 000	1964
1965	84.6 AT 16:30 MST ON JUN 27	62.6B ON APR 8	0.1428 ON JAN 1	371 000	1965
1966	87.4 AT 18:00 MST ON JUN 5	69.9 ON JUN 5	0.1598 ON JAN 12	353 000	1966
1967	148 AT 23:00 MST ON MAY 9	118 ON MAY 9	0.7148 ON NOV 26	394 000	1967
1968	49.0 AT 21:45 MST ON JUN 8	41.1 ON JUN 9	0.5788 ON JAN 9	395 000	1968
1969	114 AT 00:40 MST ON APR 2	106 ON APR 2	0.5448 ON JAN 16	378 000	1969
1970	47.0 AT 19:30 MST ON JUN 14	42.2 ON JUN 15	0.2048 ON JAN 15	305 000	1970
1971	34.3B AT 13:30 MST ON FEB 15	33.7B ON FEB 15	0.0748 ON DEC 28	314 000	1971
1972	132 B AT 00:30 MST ON MAR 18	105 B ON MAR 17	0.0258 ON JAN 25	434 000	1972
1973	23.5 AT 22:50 MST ON MAY 26	23.1 ON MAY 26	0.2328 ON DEC 29	220 000	1973
1974	50.4 AT 21:30 MST ON MAY 1	44.5 ON MAY 1	0.1388 ON JAN 13	340 000	1974
1975	260 AT 10:50 MST ON JUN 21	207 ON JUN 21	0.0748 ON FEB 13	325 000	1975
1976	---	34.3 ON MAR 19	0.878E ON OCT 22	392 000	1976
1977	22.4 AT 12:10 MST ON MAY 19	22.3 ON MAY 19	0.2838 ON DEC 6	155 000	1977
1978	---	70.8B ON MAR 22	0.3118 ON JAN 1	269 000	1978
1979	---	49.8B ON MAR 9	0.1428 ON NOV 20	308 000	1979
1980	80.5 AT 16:50 MST ON MAY 27	55.6 ON MAY 27	0.0718 ON JAN 23	319 000	1980
1981	59.7 AT 23:05 MST ON MAY 16	57.6 ON MAY 17	0.1298 ON DEC 31	365 000	1981
1982	136 AT 02:55 MST ON APR 14	112 A ON APR 14	0.0108 ON FEB 5	229 000	1982
1983	20.3 AT 14:20 MST ON JUL 20	19.6 ON JUL 18	0.0208 ON DEC 28	227 000	1983
1984	23.2 AT 09:35 MST ON JUN 24	22.2 ON JUN 24	0.0108 ON DEC 29	206 000	1984
1985	32.3 AT 14:45 MST ON JUN 1	31.1 ON JUN 1	0.0108 ON JAN 1	304 000	1985
1986	279 AT 24:00 MST ON FEB 25 *	218 A ON FEB 26 *	0.2398 ON NOV 11	256 000	1986
				281 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MILK RIVER AT PENDANT D'OREILLE POLICE DETACHMENT - STATION NO 11AA007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	---	2.14	2.40	---	---	---	1909
1910	---	---	---	5.37	5.27	2.54	0.819	0.305	1.57	1.32	---	---	2.45	1910
1911	---	---	---	10.4	11.0	10.6	6.44	3.15	11.8	5.00	---	---	8.33	1911
1912	---	---	---	---	9.24	3.80	3.87	2.05	1.80	2.33	---	---	---	1912
1913	---	---	---	20.8	14.0	8.78	4.22	2.69	0.899	2.01	---	---	7.58	1913
1914	---	---	---	10.1	4.11	2.31	0.723	0.312	0.858	4.79	---	---	[illegible]	[illegible]
1915	---	---	---	7.36	6.38	16.4	9.06	5.28	5.97	5.06	---	---	7.91	1915
MEAN	---	---	---	10.8	8.33	7.41	4.19	2.30	3.55	3.22	---	---	5.90	MEAN

LOCATION - LAT 49 08 00 N DRAINAGE AREA 5 730 km²
LONG 111 02 00 W NATURAL FLOW

MILK RIVER AT PENDANT D'OREILLE POLICE DETACHMENT - STATION NO 11AA007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	8.35 ON APR 16	0.181E ON AUG 4	45 200	1910
1911	---	43.6 ON JUN 26	1.87 E ON SEP 2	154 000	1911
1912	---	33.7 ON MAY 24	---	---	1912
1913	---	45.0 ON APR 13	0.708 ON SEP 10	140 000	1913
1914	---	21.7 ON APR 8	0 ON AUG 6 *	59 800	1914
1915	---	53.0 ON JUN 6 *	2.44 ON MAY 1	145 000	1915
				109 000	MEAN

E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MILK RIVER AT WESTERN CROSSING OF INTERNATIONAL BOUNDARY - STATION NO 11AA025

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1931	---	---	1.07	1.83	0.983	0.284	0.075	0.105	0.192	0.267	---	---	0.592	1931
1932	---	---	---	3.17	3.85	2.31	0.434	0.275	0.144	0.316	---	---	---	1932
1933	---	---	0.996	4.16	7.03	3.25	0.885	0.282	0.322	0.550	---	---	2.15	1933
1934	---	---	4.15	6.35	4.83	5.52	1.25	0.291	0.466	1.02	---	---	3.22	1934
1935	---	1.05	1.14	9.80	5.27	2.21	0.432	0.135	0.187	0.302	---	---	2.39	1935
1936	---	---	1.41	5.27	1.53	0.463	0	0.004	0	0	---	---	1.21	1936
1937	---	---	0.286	7.32	4.72	5.76	0.698	0.250	0.235	0.396	---	---	2.85	1937
1938	---	---	2.19	4.98	5.82	3.33	2.21	0.483	0.266	0.424	---	---	2.43	1938
1939	---	---	3.00	2.56	1.51	1.13	0.085	0	0	0.080	---	---	1.04	1939
1940	---	---	1.24	2.61	1.11	0.191	0.102	0.006	0	0.136	---	---	0.653	1940
1941	---	---	0.881	1.17	0.376	0.882	0.470	0.006	0.188	0.283	---	---	0.503	1941
1942	---	---	0.612	6.96	3.75	5.31	1.29	0.706	0.827	0.509	---	---	2.45	1942
1943	---	---	---	8.80	8.86	9.11	2.71	0.787	0.504	0.614	---	---	---	1943
1944	---	---	0.441	1.68	0.884	0.858	0.137	0.024	0	0	---	---	0.434	1944
1945	---	---	0.710	1.20	2.21	4.19	0.775	0.049	0.153	0.308	---	---	1.19	1945
1946	---	---	1.38	2.02	1.07	1.37	0.520	0.083	0.355	0.758	---	---	1.05	1946
1947	---	---	7.88	8.72	8.87	3.73	1.04	0.886	1.03	1.07	---	---	3.84	1947
1948	---	---	0.726	14.1	10.5	21.8	5.16	1.84	0.857	0.957	---	---	6.82	1948
1949	---	---	1.11	7.81	3.97	1.58	0.529	0.083	0.271	0.740	---	---	2.00	1949
1950	---	---	1.12	10.9	12.4	10.7	4.27	1.40	0.619	0.860	---	---	5.27	1950
1951	---	---	2.11	14.4	14.3	14.4	8.86	4.02	4.77	3.78	---	---	8.42	1951
1952	---	---	4.51	15.6	6.67	3.10	1.54	0.709	0.833	0.581	---	---	4.11	1952
1953	---	---	1.48	12.7	12.6	24.8	4.04	1.53	1.09	1.03	---	---	7.37	1953
1954	---	---	2.10	10.6	15.8	7.63	2.43	1.42	1.41	1.75	---	---	5.50	1954
1955	---	---	1.01	8.31	12.7	5.63	3.40	0.869	0.367	0.710	---	---	4.00	1955
1956	---	---	2.77	8.17	8.65	4.27	3.57	1.31	0.648	0.857	---	---	3.49	1956
1957	---	---	2.04	8.17	9.72	4.26	0.828	0.200	0.420	0.884	---	---	3.01	1957
1958	---	---	1.25	7.80	2.88	3.32	1.62	0.393	0.312	0.844	---	---	2.24	1958
1959	---	---	3.83	8.09	8.48	4.99	1.24	0.389	0.523	1.03	---	---	3.58	1959
1960	---	---	8.10	3.11	5.73	1.71	0.343	0.251	0.001	0.139	---	---	2.43	1960
1961	---	---	1.93	2.09	4.88	1.41	0.305	0.036	0.086	0.490	---	---	1.40	1961
1962	---	---	3.22	7.56	3.08	1.87	0.281	0.136	0.065	0.295	---	---	2.01	1962
1963	---	2.80	1.28	1.84	1.47	2.22	1.18	0.002	0	0	---	---	0.954	1963
1964	---	---	0.818	3.43	9.80	15.6	2.12	0.515	1.07	1.08	---	---	4.21	1964
1965	---	---	2.84	14.9	8.06	7.59	2.46	0.733	1.58	0.915	---	---	4.84	1965
1966	---	---	4.37	5.40	3.67	8.09	2.31	0.741	0.456	0.885	---	---	3.22	1966
1967	---	---	3.34	8.02	19.2	12.8	2.43	0.844	0.281	0.594	---	---	5.84	1967
1968	---	---	2.87	3.22	5.87	4.58	1.22	0.913	2.80	1.68	---	---	2.87	1968
1969	---	---	2.58	17.4	3.72	8.59	2.84	0.282	0.146	0.712	---	---	4.24	1969
1970	---	---	0.851	3.38	11.4	5.61	1.19	0.404	0.383	0.839	---	---	2.93	1970
1971	---	---	1.78	9.80	9.19	5.27	1.59	0.300	0.413	0.894	---	---	3.80	1971
1972	---	---	20.3	8.08	10.8	7.34	2.91	1.31	0.875	0.921	---	---	5.84	1972
1973	---	---	1.75	2.53	2.37	0.888	0.024	0	0	0	---	---	0.940	1973
1974	---	---	1.80	8.84	7.02	3.45	1.09	0.588	0.342	0.440	---	---	2.89	1974
1975	---	---	0.408	4.02	16.5	16.7	5.36	1.88	1.08	1.84	---	---	5.88	1975
1976	---	---	3.53	7.47	8.28	2.84	0.804	0.857	0.180	0.386	---	---	2.81	1976
1977	---	---	0.315	2.18	0.656	0.087	0	0.008	0.041	0.228	---	---	0.436	1977
1978	---	---	13.6	4.82	6.52	4.84	2.78	1.58	3.88	1.04	---	---	4.84	1978
1979	---	---	8.89	8.80	8.80	2.97	0.734	0.277	0.108	0.264	---	---	3.84	1979
1980	---	---	1.06	7.15	4.51	4.10	0.526	0.567	0.499	0.870	---	---	2.37	1980
1981	---	---	1.84	2.41	8.24	4.42	1.10	0.348	0.070	0.504	---	---	2.37	1981
1982	---	---	0.969	11.1	5.43	3.81	1.22	0.086	0.121	0.532	---	---	2.88	1982
1983	---	---	1.75	1.86	1.80	0.537	0.210	0.007	0	0	---	---	0.745	1983
1984	---	---	0.812	1.23	0.869	0.572	0.025	0	0	0.029	---	---	0.415	1984
1985	---	---	1.32	3.89	2.26	1.55	0.032	0.008	1.23	2.08	---	---	1.80	1985
1986	---	---	4.00	2.98	3.38	1.21	0.204	0	0.480	0.778	---	---	1.83	1986
MEAN	---	1.93	2.72	6.37	6.25	5.08	1.55	0.547	0.578	0.882	---	---	2.97	MEAN

LOCATION - LAT 49 00 27 N LONG 112 32 42 W DRAINAGE AREA 1 060 km² REGULATED INTERNATIONAL GAUGING STATION

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1953 AND 1986

MILK RIVER AT WESTERN CROSSING OF INTERNATIONAL BOUNDARY - STATION NO 11AA025

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1931	7.78 AT 07:30 MST ON APR 7	5.51 ON APR 7	0 ON JUL 31 *	12 500	1931
1932	12.3 AT 17:00 MST ON MAY 5	9.86 ON MAY 5	---	---	1932
1933	14.0 AT 07:00 MST ON APR 29	12.7 ON APR 29	0.087 ON AUG 17	46 500	1933
1934	37.4 AT 02:00 MST ON JUN 9	22.9 ON JUN 9	0.232 ON AUG 19	88 000	1934
1935	---	90.7 ON APR 17	0.045 ON AUG 14	50 500	1935
1936	44.2 B ON APR 11	27.7 B ON APR 11	0 B ON MAR 1	25 500	1936
1937	72.6 AT 10:30 MST ON JUN 13	50.7 ON JUN 13	0.023A ON AUG 31	54 200	1937
1938	15.9 AT 01:00 MST ON JUN 27	11.3 B ON APR 11	0.125 ON SEP 24	51 500	1938
1939	12.2 B AT 19:00 MST ON MAR 28	9.848 ON MAR 23	0 ON JUL 15	22 000	1939
1940	15.3 AT 19:00 MST ON JUL 4	4.22 ON APR 26	0 ON JUN 29	13 900	1940
1941	8.30 AT 20:00 MST ON JUN 13	2.83 ON JUN 5	0 B ON MAR 1	10 500	1941
1942	39.1 AT 21:30 MST ON APR 3	20.5 ON APR 4	0 1.428 ON MAR 1	51 500	1942
1943	20.0 AT 14:00 MST ON JUN 6	18.6 ON JUN 6	---	---	1943
1944	---	5.328 ON APR 4	0 ON JUL 28	8 190	1944
1945	12.1 AT 20:30 MST ON JUN 7	11.3 ON JUN 7	0 ON AUG 23	25 300	1945
1946	3.89 AT 23:00 MST ON MAY 30	3.51 ON MAR 29	0 ON AUG 13	22 300	1946
1947	41.1 B AT 16:30 MST ON MAR 22	36.6 B ON MAR 22	0 1.428 ON MAR 4	61 400	1947
1948	135 AT 05:00 MST ON JUN 18	127 ON JUN 18	0 3.965 ON MAR 6	147 000	1948
1949	---	19.6 B ON APR 7	0.011 ON AUG 27	42 200	1949
1950	39.6 AT 11:00 MST ON APR 17	36.0 ON APR 17	0.504 ON SEP 25	111 000	1950
1951	111 AT 12:00 MST ON JUN 24	80.6 ON JUN 25	0 1.428 ON MAR 1	178 000	1951
1952	---	31.1 B ON APR 7	0 3.00A ON AUG 30	87 000	1952
1953	130 AT 11:00 MST ON JUN 4	110 ON JUN 4	0 1.138 ON MAR 1	156 000	1953
1954	38.2 AT 20:00 MST ON APR 18	28.3 ON APR 18	0 .725 ON SEP 14	118 000	1954
1955	75.9 AT 07:00 MST ON MAY 19	62.9 ON MAY 19	0 .099 ON SEP 7	86 800	1955
1956	31.4 AT 23:00 MST ON JUL 4	25.3 ON JUL 4	0 1.138 ON MAR 8	73 900	1956
1957	20.4 AT 23:00 MST ON MAY 8	18.1 ON MAY 5	0 .054 ON SEP 18	63 700	1957
1958	27.8 AT 04:00 MST ON APR 9	21.2 ON APR 9	0 .082 ON SEP 18	47 300	1958
1959	27.6 B AT 11:00 MST ON APR 4	21.1 ON MAY 2	0 .221 ON AUG 14	76 800	1959
1960	62.3 B AT 23:00 MST ON MAR 21	37.7 B ON MAR 21	0 ON SEP 6	61 500	1960
1961	12.2 AT 10:00 MST ON MAY 18	10.8 ON MAY 18	0 ON AUG 21	29 700	1961
1962	23.9 B AT 20:00 MST ON APR 5	17.8 ON APR 6	0 ON AUG 21	42 500	1962
1963	---	5.69 ON JUL 7	0 ON AUG 5	20 200	1963
1964	225 AT 06:00 MST ON JUN 9 *	153 ON JUN 9 *	0 2.418 ON MAR 6	89 200	1964
1965	---	27.8 B ON APR 10	0 .473 ON AUG 20	103 000	1965
1966	52.6 AT 10:30 MST ON JUN 5	45.9 ON JUN 5	0 1.958 ON MAR 1	68 200	1966
1967	78.3 AT 15:00 MST ON MAY 9	70.2 ON MAY 9	0 .184 ON SEP 8	119 000	1967
1968	22.9 AT 12:00 MST ON JUN 8	19.9 ON JUN 8	0 .305 ON AUG 10	80 400	1968
1969	---	50.1 B ON APR 2	0 .034 ON SEP 13	89 700	1969
1970	29.7 AT 13:53 MST ON MAY 8	27.9 ON MAY 8	0 .057 ON SEP 7	82 000	1970
1971	19.9 AT 17:00 MST ON MAY 7	18.4 ON MAY 7	0 .106 ON AUG 22	74 200	1971
1972	116 B AT 16:00 MST ON MAR 17	99.7 B ON MAR 17	0 .0858 ON MAR 1	139 000	1972
1973	4.50 AT 16:30 MST ON APR 25	4.59 ON APR 25	0 ON JUL 13	19 800	1973
1974	24.6 AT 08:30 MST ON MAY 1	21.6 ON MAY 1	0 .224 ON SEP 23	87 000	1974
1975	201 AT 16:10 MST ON JUN 30	116 ON JUN 20	0 1.228 ON MAR 6	127 000	1975
1976	---	15.4 B ON MAR 18	0 .089 ON SEP 21	98 400	1976
1977	8.10 AT 22:50 MST ON APR 9	7.76 ON APR 10	0 ON JUL 3	9 230	1977
1978	---	87.4 B ON MAR 21	0 .0898 ON MAR 5	102 000	1978
1979	---	28.2 B ON MAR 12	0 .019 ON OCT 1	81 400	1979
1980	32.1 AT 09:00 MST ON MAY 27	29.3 ON MAY 27	0 .007 ON AUG 6	50 100	1980
1981	39.9 AT 00:50 MST ON MAY 17	31.8 ON MAY 17	0 .012 ON SEP 24	60 100	1981
1982	---	81.7 B ON APR 13	C .001 ON SEP 11	80 900	1982
1983	---	3.408 ON MAR 13	0 ON AUG 6	15 800	1983
1984	4.71 AT 15:30 MST ON JUN 28	3.37 ON APR 22	0 ON JUL 9	8 730	1984
1985	18.6 AT 01:30 MST ON JUN 1	12.9 ON JUN 1	C 8 ON MAR 1	33 800	1985
1986	---	10.8 ON MAR 1	0 ON AUG 2	34 500	1986
			MEAN	62 800	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MILK RIVER AT WRITING-ON-STONE POLICE DETACHMENT - STATION NO 11AA005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	---	2.36	2.20	---	---	---	1909
1910	---	---	---	5.77	5.22	3.05	0.887	0.495	1.49	1.26	---	---	2.80	1910
1911	---	---	---	8.89	10.5	8.46	4.52	2.72	6.87	3.78	---	---	6.65	1911
1912	---	---	---	---	---	---	---	1.93	1.81	2.21	---	---	---	1912
1913	---	---	---	--	21.3	11.8	7.89	3.94	2.03	1.35	2.24	1.90	---	1913
1914	---	---	---	8.38	4.52	2.41	0.842	0.491	0.730	3.32	---	---	7.18	1914
1915	---	---	---	8.04	5.77	13.2	7.78	4.80	5.43	4.81	---	---	2.99	1915
MEAN	---	---	---	10.1	7.98	7.20	3.80	2.04	3.00	2.87	1.80	---	5.94	MEAN

LOCATION - LAT 49 05 00 N, LONG 111 39 00 W DRAINAGE AREA 4 280 km^2, NATURAL FLOW

MILK RIVER AT WRITING-ON-STONE POLICE DETACHMENT - STATION NO. 11AA005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	8.72 ON JUN 11	0.388 ON AUG 2	48 200	1910
1911	---	58.8 ON JUN 26 *	1.16 ON AUG 25	123 000	1911
1912	---	---	---	---	1912
1913	---	53.2 B ON APR 13	0.981 ON SEP 13	133 000	1913
1914	---	18.0 ON APR 14	0.062 ON AUG 5 *	54 500	1914
1915	---	31.7 ON JUN 8	2.38 ON MAY 1	129 000	1915
				97 500	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MILK RIVER NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AA030

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1913	---	---	---	---	6.79	5.54	2.25	1.25	0.843	1.48	0.883	0.553	---	1913
1914	---	---	---	---	---	1.79	0.460	0.409	0.472	1.77	1.01	0.500	---	1914
1915	0.347	0.431	2.09	2.39	3.54	7.47	4.31	1.78	3.35	2.28	1.80	1.23	3.39	1915
1916	0.757	11.1	10.5	5.59	7.43	10.2	4.94	2.48	2.04	2.20	1.59	1.02	5.70	1916
1917	0.731	0.727	0.701	12.2	16.7	9.20	2.40	1.08	0.978	1.12	1.31	0.826	5.53	1917
1918	1.81	0.483	2.00	5.18	3.97	1.95	0.795	0.481	0.439	0.883	0.380	0.248	1.91	1918
1919	0.280	0.210	0.496	2.93	1.96	0.584	0.022	0.001	0.015	0.231	---	---	0.729	1919
1920	---	---	---	---	10.6	3.43	1.09	0.461	0.327	0.424	---	---	---	1920
1921	---	---	---	4.54	5.06	2.75	0.795	0.242	0.223	0.275	---	---	---	1921
1922	---	---	0.229	4.32	6.51	3.61	1.51	0.382	0.211	0.288	---	---	2.13	1922
1923	---	---	0.486	3.65	4.80	4.45	1.24	0.858	0.338	0.359	---	---	2.00	1923
1924	---	---	0.718	3.07	2.81	6.12	1.23	0.766	0.347	0.304	---	---	1.91	1924
1925	---	---	---	12.5	7.91	3.45	1.41	0.639	0.441	1.33	---	---	---	1925
1926	---	---	1.10	1.89	0.886	0.517	0.111	0.031	0.452	0.909	---	---	0.632	1926
1927	---	---	---	---	15.5	14.1	4.37	3.52	5.15	3.44	---	---	---	1927
1928	---	---	---	6.69	6.91	5.69	5.66	1.93	1.29	2.16	---	---	---	1928
1929	---	---	---	5.65	4.90	4.96	1.19	0.316	0.272	0.713	---	---	---	1929
1930	---	---	4.03	9.21	5.95	3.32	0.870	0.299	0.483	0.842	---	---	3.07	1930
MEAN	0.785	2.59	2.26	5.88	6.73	4.96	1.93	0.927	0.983	1.11	1.13	0.896	2.70	MEAN

LOCATION - LAT 48 55 00 N LONG 112 49 00 W DRAINAGE AREA 747 km^2 REGULATED INTERNATIONAL GAUGING STATION

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1916 AND 1918

MILK RIVER NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AA030

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1913	---	---	---	---	1913
1914	---	13.8 ON APR 12	---	---	1914
1915	---	23.4 ON JUN 5	0.388 ON MAR 11	91 700	1915
1916	---	46.4 A ON MAR 10	1.27 A ON SEP 24	121 000	1916
1917	---	33.1 ON APR 6	0.588A ON MAR 3	117 000	1917
1918	---	8.83 ON APR 9	0.184 ON AUG 29	40 400	1918
1919	---	7.05 ON APR 1	0 ON AUG 1 *	15 400	1919
1920	---	24.1 ON APR 27	---	---	1920
1921	---	11.3 ON APR 13	---	---	1921
1922	---	9.54 ON MAY 6	0.0288 ON MAR 1	44 900	1922
1923	---	13.2 ON JUN 22	0.0788 ON MAR 1	45 300	1923
1924	---	22.8 ON JUN 8	0.224 ON OCT 13	40 400	1924
1925	---	---	---	---	1925
1926	---	7.08E ON APR 13	0.003 ON AUG 19	13 400	1926
1927	---	47.8 ON MAY 30 *	---	---	1927
1928	---	20.8 ON JUL 1	---	---	1928
1929	---	15.5 ON JUN 3	---	---	1929
1930	---	31.1 ON MAR 29	0.170 ON AUG 26	85 000	1930
				97 200	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MILK RIVER NEAR PENDANT D'OREILLE - STATION NO. 11AA035

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	13.9	19.3	20.3	---	2.61	---	---	---	1978
1979	---	---	---	---	---	21.5	---	---	---	1.05	---	---	---	1979
1980	---	---	---	---	16.6	33.3	16.9	15.9	10.4	1.61	---	---	15.3	1980
1981	---	---	---	---	27.2	25.3	21.4	17.7	15.8	3.20	---	---	16.4	1981
1982	---	---	---	---	21.2	31.7	15.8	1.46	0.526	1.23	---	---	10.8	1982
MEAN	---	---	---	---	22.3	21.1	15.8	14.6	8.81	1.84	---	---	14.6	MEAN

LOCATION - LAT 49 07 35 N LONG 110 52 15 W DRAINAGE AREA 8 040 km^2 REGULATED SINCE 1915 INTERNATIONAL GAUGING STATION

MILK RIVER NEAR PENDANT D'OREILLE - STATION NO. 11AA035

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	104 AT 06 00 MST ON AUG 24 *	72.2 ON AUG 24 *	---	---	1978
1979	---	---	---	---	1979
1980	51.4 AT 19 00 MST ON MAY 28	44.5 ON MAY 28	1.15 A ON OCT 8	243 000	1980
1981	57.8 AT 06 00 MST ON MAY 18	51.0 ON MAY 18	1.78 ON OCT 31	293 000	1981
1982	34.3 AT 17 20 MST ON MAY 30	31.9 ON MAY 30	0.270E ON SEP 11 *	172 000	1982
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		236 000	MEAN

A - MANUAL GAUGE
E - ESTIMATED
(SEE REFERENCE INDEX)

MILK RIVER NEAR WRITING-ON-STONE PARK - STATION NO. 11AA034

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	14.5	20.0	20.8	13.4	2.44	---	---	---	1978
1979	---	---	---	---	17.9	22.7	20.4	18.5	6.43	1.01	---	---	14.5	1979
1980	---	---	---	---	21.7	25.0	20.8	19.4	9.47	1.42	---	---	16.3	1980
1981	---	---	---	---	28.5	27.0	20.5	18.1	18.1	2.27	---	---	18.7	1981
1982	---	---	---	---	20.6	20.8	19.5	0.865	0.564	1.18	---	---	10.5	1982
MEAN	---	---	---	---	22.2	22.0	20.2	15.5	9.18	1.87	---	---	15.0	MEAN

LOCATION - LAT 49 05 18 N
LONG 111 32 05 W
DRAINAGE AREA, 4 380 km^2
REGULATED SINCE 1916
INTERNATIONAL GAUGING STATION

MILK RIVER NEAR WRITING-ON-STONE PARK - STATION NO. 11AA034

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	94.9 AT 18 30 MST ON AUG 23 *	77.3 ON AUG 23 *	---	---	1978
1979	---	31.7 ON MAY 8	0.749 ON OCT 5	231 000	1979
1980	60.3 AT 01 30 MST ON MAY 28	51.2 ON MAY 28	1.04 ON OCT 12	259 000	1980
1981	61.8 AT 13 00 MST ON MAY 17	52.4 ON MAY 17	1.88 ON OCT 10	294 000	1981
1982	34.7 AT 18 25 MST ON MAY 29	32.6 ON MAY 29	0.389 ON SEP 9 *	188 000	1982
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		239 000	MEAN

MILL CREEK NEAR THE MOUTH - STATION NO. 05AA011

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	---	---	0.478	3.09	2.79	---	---	---	1910
1911	---	---	---	3.01	9.12	13.3	3.16	5.84	12.1	2.81	---	---	---	1911
1912	---	---	---	1.84	5.92	3.87	4.30	1.38	0.880	1.19	---	---	---	1912
1913	---	---	---	---	8.14	8.83	2.84	1.88	1.02	2.03	---	---	---	1913
1914	---	---	---	---	5.41	5.89	2.46	1.72	1.37	4.36	---	---	---	1914
1915	---	---	---	---	13.5	12.1	5.88	3.48	2.73	3.07	---	---	---	1915
1916	---	---	---	3.09	7.18	15.5	5.80	1.58	1.30	1.24	---	---	---	1916
1917	---	---	---	---	12.3	15.5	3.20	0.872	0.842	0.497	0.473	0.270	---	1917
1918	0.552	0.473	0.478	2.31	6.57	5.23	0.892	0.611	1.38	1.02	0.868	0.470	2.34	1918
1919	0.289	0.351	0.486	1.81	7.92	3.48	0.818	0.457	0.337	0.458	0.800	0.411	1.95	1919
1920	0.323	0.341	0.521	---	---	---	---	---	---	---	---	---	---	1920
1987	---	---	---	---	11.9	13.5	3.44	0.988	0.848	0.533	---	---	---	1987
1988	---	---	0.547	0.945	5.28	6.96	2.31	1.25	3.17	3.37	---	---	2.97	1988
1989	---	---	1.11	3.77	5.90	10.8	4.06	0.923	0.528	0.891	---	---	3.45	1989
1970	---	---	0.572	1.84	7.95	10.5	1.98	0.747	0.567	0.893	---	---	3.10	1970
1971	---	---	0.305	1.73	8.39	7.24	2.09	0.830	0.595	0.802	---	---	2.72	1971
1972	---	---	1.23	2.81	12.4	10.8	4.74	1.89	1.12	1.28	---	---	4.50	1972
1973	---	---	0.422	1.03	4.30	3.31	1.05	0.601	0.516	0.393	---	---	1.45	1973
1974	---	---	0.467	2.02	7.79	12.8	3.05	1.34	0.780	0.552	---	---	3.55	1974
1975	---	---	0.328	0.827	11.0	24.4	5.61	1.63	1.01	0.994	---	---	5.88	1975
1976	---	---	0.737	1.93	8.14	4.59	2.28	2.48	0.942	0.843	---	---	3.72	1976
1977	---	---	---	0.561	1.24	1.17	0.574	0.545	0.554	0.456	---	---	---	1977
1978	---	---	---	1.08	6.02	6.45	3.01	1.22	1.07	0.843	---	---	---	1978
1979	---	---	---	1.38	7.56	4.38	1.41	0.779	0.511	0.418	---	---	---	1979
1980	---	---	---	1.86	8.77	8.00	1.35	0.819	1.01	0.898	---	---	---	1980
1981	---	---	---	1.58	14.6	7.39	2.55	1.42	0.873	0.495	---	---	---	1981
1982	---	---	0.216	0.784	2.55	7.31	2.35	0.913	0.615	0.578	---	---	1.90	1982
1983	---	---	0.561	0.847	3.61	3.14	1.34	0.747	0.485	0.388	---	---	1.41	1983
1984	---	---	0.268	0.704	2.27	3.19	1.27	0.831	0.481	0.806	---	---	1.17	1984
1985	---	---	0.154	1.20	4.47	2.77	0.873	1.14	3.40	3.83	---	---	2.23	1985
1986	---	---	0.16	2.96	7.14	4.83	1.31	0.687	1.17	2.12	---	---	2.80	1986
MEAN	0.388	0.388	0.623	1.73	7.47	8.10	2.65	1.34	1.48	1.32	0.646	0.384	2.75	MEAN

LOCATION - LAT 50 28 10 N
LONG 114 05 00 W
DRAINAGE AREA, 178 km^2
NATURAL FLOW

MILL CREEK NEAR THE MOUTH - STATION NO. 05AA011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	---	---	---	1910
1911	---	48.4 ON SEP 4	---	---	1911
1912	---	11.5 ON MAY 21	---	---	1912
1913	---	15.3 ON JUN 28	---	---	1913
1914	---	11.7 ON OCT 17	---	---	1914
1915	---	19.4 ON MAY 14	---	---	1915
1916	---	19.2 ON JUN 20	---	---	1916
1917	---	27.0 ON MAY 25	---	---	1917
1918	---	10.9 ON MAY 4	0.2808 ON MAR 8	49 500	1918
1919	---	15.7 ON MAY 27	0.2128 ON MAR 26	41 300	1919
1920	---	1.598 ON MAR 15	0.3238 ON MAR 31	---	1920
1967	31.4 AT 23:00 MST ON MAY 21	27.1 ON MAY 22	---	---	1967
1968	20.0 AT 18:30 MST ON JUN 7	15.9 ON JUN 8	0.4258 ON MAR 15	62 800	1968
1969	54.1 AT 09:23 MST ON JUN 26	43.3 ON JUN 26	0.476 ON SEP 19	73 000	1969
1970	44.5 AT 17:50 MST ON JUN 13	30.6 ON JUN 14	0.2758 ON MAR 12	65 500	1970
1971	15.2 AT 08:30 MST ON MAY 6	14.0 ON MAY 27	0.1708 ON MAR 21	57 500	1971
1972	31.7 AT 07:20 MST ON MAY 25	28.2 ON JUN 1	0.3438 ON MAR 1	95 400	1972
1973	11.7 AT 02:30 MST ON MAY 18	10.9 ON MAY 18	0.1938 ON MAR 29	30 700	1973
1974	18.5 AT 23:30 MST ON JUN 16	17.5 ON JUN 17	0.1388 ON MAR 22	75 200	1974
1975	210 AT 23:30 MST ON JUN 19 *	133 ON JUN 19 *	0.2558 ON APR 4	120 000	1975
1976	17.4 AT 03:30 MST ON MAY 11	15.9 ON MAY 11	0.3148 ON MAR 14	57 500	1976
1977	1.76 AT 09:30 MST ON MAY 15	1.74 ON MAY 15	---	---	1977
1978	12.1 AT 00:45 MST ON JUN 6	11.5 ON JUN 6	---	---	1978
1979	19.1 AT 01:35 MST ON MAY 27	16.9 ON MAY 27	---	---	1979
1980	38.9 AT 13:20 MST ON MAY 26	32.1 ON MAY 26	---	---	1980
1981	---	72.4 E ON MAY 23	---	---	1981
1982	10.3 AT 09:21 MST ON JUN 5	9.97 ON JUN 5	0.1838 ON MAR 4	40 200	1982
1983	9.85 AT 01:24 MST ON MAY 27	9.33 ON MAY 26	0.245 ON MAR 3	30 000	1983
1984	5.55 AT 02:23 MST ON MAY 31	5.31 ON MAY 31	0.2008 ON MAR 15	24 900	1984
1985	11.8 AT 13:10 MST ON SEP 12	8.73 ON SEP 12	0.0508 ON MAR 8 *	47 200	1985
1986	12.1 AT 04:15 MST ON MAY 28	11.9 ON MAY 28	0.473 ON AUG 28	59 400	1986
				58 100	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MINERS COULEE NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AA029

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	---	---	0	0	---	---	---	1966
1967	---	---	0.193	0.308	1.38	0.377	0.008	0	0	0	---	---	0.281	1967
1968	---	---	0.086	0.043	0.240	0.107	0.125	0	0.087	0.131	---	---	0.100	1968
1969	---	---	0.438	0.261	0.041	0.039	0.109	0	0	0	---	---	0.111	1969
1970	---	---	0.003	0.003	0.002	0.145	0.004	0	0	0	---	---	0.019	1970
1971	---	---	0.015	0.070	0.037	0.270	0	0	0	0	---	---	0.048	1971
1972	---	---	0.152	0.032	0.038	0.005	0	0	0	0	---	---	0.028	1972
1973	---	---	0	0	0	0	0	0	0	0	---	---	0	1973
1974	---	---	0	0	0.028	0.005	0	0	0	0	---	---	0.004	1974
1975	---	---	0	0.230	0.824	0.584	0.080	0.006	0.009	0.018	---	---	0.234	1975
1976	---	---	0.083	0.031	0.045	0.003	0.008	0	0	0	---	---	0.019	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0.578	0.343	0.306	0.132	0.140	0.106	0.207	0.047	---	---	0.233	1978
1979	---	---	0.563	0.517	0.432	0.044	0	0	0	0	---	---	0.195	1979
1980	---	---	0	0.004	0.002	0.001	0	0	0	0	---	---	0.001	1980
1981	---	---	0.003	0.005	0.080	0.025	0.005	0	0	0	---	---	0.015	1981
1982	---	---	0.078	0.203	0.080	0.503	0.018	0	0	0	---	---	0.106	1982
1983	---	---	0.001	0.003	0.208	0.022	0.001	0	0	0	---	---	0.030	1983
1984	---	---	0.001	0.003	0.001	0	0	0	0.001	0	---	---	0.001	1984
1985	---	---	0	E 0.020	0.050	E 0.083	0	0	0	0.025	---	---	E 0.020	1985
1986	---	---	0.055	E 0.017	0.207	E 0.045	0.002	0	0	0.038	---	---	E 0.048	1986
MEAN	---	---	0.112	0.105	0.203	0.119	0.035	0.006	0.014	0.012	---	---	0.075	MEAN

LOCATION - LAT 49 01 05 N
LONG 111 24 10 W
DRAINAGE AREA, 109 km^2
REGULATED

MINERS COULEE NEAR INTERNATIONAL BOUNDARY - STATION NO 11AA029

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	---	0 ON AUG 25 *	---	1966
1967	4.36 AT 04:00 MST ON MAY 9 *	3.82 ON MAY 8 *	0 ON JUL 8	5 940	1967
1968	0.850 AT 20:00 MST ON JUL 1	0.778 ON JUL 2	0 ON JUL 28	3 130	1968
1969	---	2.41 B ON MAR 17	0 ON JUL 28	2 350	1969
1970	1.75 AT 14:20 MST ON JUN 17	1.27 ON JUN 18	0 ON MAR 1	407	1970
1971	4.33 AT 06:00 MST ON JUN 7	2.89 ON JUN 7	0 ON JUN 26	1 020	1971
1972	1.10 AT 18:40 MST ON MAR 17	0.810 ON MAR 17	0 ON MAR 1	402	1972
1973	---	0 ON MAR 1	0 ON MAR 1	0	1973
1974	0.142 AT 19:45 MST ON MAY 22	0.137 ON MAY 27	0 ON MAR 1	87.7	1974
1975	3.54 AT 15:40 MST ON MAY 7	3.37 ON MAY 7	0 ON MAR 1	4 950	1975
1976	0.787 AT 15:10 MST ON MAR 18	0.592 ON MAR 18	0 ON MAY 21	400	1976
1977	---	0 E ON MAR 1	0E ON MAR 1	0	1977
1978	3.37 A AT 21:30 MST ON MAR 21	2.88 A ON MAR 21	0 ON AUG 12	4 930	1978
1979	---	2.50 B ON MAR 7	0 ON JUN 27	4 120	1979
1980	0.0078 AT 06:25 MST ON APR 3	0.007 ON APR 7	0E ON MAR 1	20.8	1980
1981	0.358 AT 09:40 MST ON MAY 22	0.292 ON MAY 22	0 ON MAR 1	314	1981
1982	2.06 AT 13:30 MST ON JUN 3	1.80 ON JUN 4	0E ON MAR 1	2 240	1982
1983	0.891 AT 20:50 MST ON MAY 18	0.781 ON MAY 19	0 ON JUN 28	825	1983
1984	0.004 AT 18:50 MST ON APR 8	0.003 ON MAR 31	0 ON MAY 17	13.7	1984
1985	1.19 AT 08:40 MST ON MAY 31	0.833 ON MAY 31	0E ON MAR 1	415	1985
1986	---	0.816 ON MAY 24	0 ON JUL 11	870	1986
				1 580	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MISTAYA RIVER NEAR SASKATCHEWAN CROSSING - STATION NO 05DA007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1950	---	---	---	---	---	---	---	---	9.57	---	---	---	---	1950
1951	---	---	---	---	---	12.2	25.6	16.9	5.87	2.82	---	---	---	1951
1952	---	---	---	---	---	15.6	20.6	17.8	6.36	4.00	---	---	---	1952
1953	---	---	---	---	---	14.6	21.8	16.7	7.76	3.23	---	---	---	1953
1954	---	---	---	---	---	18.0	25.6	17.7	10.9	---	---	---	---	1954
1955	---	---	---	---	---	14.1	24.6	14.5	9.06	---	---	---	---	1955
1956	---	---	---	---	---	17.3	20.6	17.0	7.71	---	---	---	---	1956
1957	---	---	---	---	---	15.1	15.7	12.4	6.08	---	---	---	---	1957
1958	---	---	---	---	---	20.3	21.3	20.6	6.89	---	---	---	---	1958
1959	---	---	---	---	---	17.8	23.3	13.6	7.97	3.01	---	---	---	1959
1960	---	---	---	---	2.74	11.7	25.0	16.2	7.74	3.14	---	---	---	1960
1961	---	---	---	---	8.80	25.5	18.0	18.8	7.10	4.08	---	---	---	1961
1962	---	---	---	---	4.85	13.1	18.5	16.5	7.14	3.17	---	---	---	1962
1963	---	---	---	---	---	18.2	21.3	20.3	14.4	5.80	---	---	---	1963
1964	---	---	---	---	3.26	21.7	25.2	15.0	8.72	5.77	---	---	---	1964
1965	---	---	---	---	4.41	19.8	25.3	24.4	10.7	7.35	---	---	---	1965
1966	---	---	---	0.874	5.83	13.6	22.5	17.9	11.2	4.80	2.21	0.884	---	1966
1967	0.728	0.852	0.879	0.933	4.47	22.7	23.4	18.7	14.0	5.48	3.14	1.20	8.00	1967
1968	0.850	0.495	0.322	0.829	5.16	16.4	21.6	14.6	6.84	3.11	1.68	1.02	6.29	1968
1969	0.814	0.712	0.666	2.14	7.10	20.1	18.9	14.8	7.01	2.89	1.72	0.970	8.33	1969
1970	0.807	0.583	0.839	0.734	3.36	18.1	20.1	15.8	6.13	2.10	1.30	0.888	6.03	1970
1971	0.585	0.557	0.534	1.04	7.34	16.1	18.7	21.0	7.88	2.83	1.48	0.747	6.41	1971
1972	0.880	0.484	0.533	0.700	7.45	23.4	17.7	15.9	7.16	2.82	1.37	0.838	6.87	1972
1973	0.801	0.758	0.788	0.799	6.62	14.6	17.6	15.3	8.50	2.87	1.70	1.01	5.83	1973
1974	0.785	0.680	0.781	1.10	3.82	20.0	19.9	18.1	8.36	3.03	2.07	1.19	6.83	1974
1975	0.768	0.818	0.481	0.804	3.04	8.75	23.5	13.6	6.02	2.88	2.15	1.08	5.38	1975
1976	0.835	0.849	0.835	1.10	7.88	8.84	22.7	20.6	13.0	4.13	1.38	1.02	7.04	1976
1977	0.881	0.877	0.891	1.27	5.21	15.9	15.1	17.4	8.48	3.15	1.36	0.888	6.80	1977
1978	0.852	0.408	0.303	0.786	3.98	15.2	24.6	15.5	12.5	3.85	2.10	1.25	6.78	1978
1979	0.743	0.830	0.860	0.841	4.84	15.6	21.3	17.4	9.87	4.23	1.80	1.02	6.80	1979
1980	0.811	0.434	0.406	2.31	11.9	18.0	17.6	11.1	5.84	4.05	1.42	1.07	6.24	1980
1981	0.903	0.544	0.537	0.701	9.72	10.6	22.6	19.6	8.08	2.88	1.40	1.10	6.86	1981
1982	0.815	0.551	0.762	0.710	3.45	19.3	21.1	16.4	13.3	3.52	1.78	1.10	6.83	1982
1983	0.852	0.672	0.897	0.839	4.85	13.6	18.6	18.6	8.98	3.84	2.55	1.22	6.19	1983
1984	0.810	0.714	0.893	1.16	2.35	14.2	20.7	20.3	7.88	3.70	1.98	0.881	6.21	1984
1985	0.700	0.817	0.769	0.885	6.84	12.5	21.2	13.4	8.80	3.83	0.887	0.720	5.73	1985
1986	0.896	0.880	0.845	1.24	8.38	23.2	17.0	15.2	7.25	2.75	1.87	0.833	6.87	1986
MEAN	0.728	0.627	0.642	1.03	5.70	16.5	21.0	16.9	8.58	3.87	1.88	0.989	6.41	MEAN

LOCATION - LAT 51 53 04 N, LONG 116 41 17 W
DRAINAGE AREA 249 km^2
NATURAL FLOW

MISTAYA RIVER NEAR SASKATCHEWAN CROSSING - STATION NO. 05DA007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1950	---	---	---	---	1950
1951	36.2 AT 05:00 MST ON JUL 19	34.8 ON JUL 19	---	---	1951
1952	27.8 ON AUG 15	26.6 ON JUN 30	---	---	1952
1953	86.4 AT 05:00 MST ON JUL 15 *	58.5 ON JUL 15 *	---	---	1953
1954	38.5 AT 09:00 MST ON JUL 8	37.4 ON JUL 8	---	---	1954
1955	49.6 AT 07:00 MST ON JUL 18	48.0 ON JUL 18	---	---	1955
1956	33.7 AT 05:00 MST ON JUL 23	32.0 ON JUL 23	---	---	1956
1957	25.9 AT 12:00 MST ON JUN 8	25.0 ON JUN 8	---	---	1957
1958	36.2 AT 15:00 MST ON JUN 28	34.0 ON JUN 28	---	---	1958
1959	36.7 AT 09:00 MST ON JUL 25	34.8 ON JUL 25	---	---	1959
1960	34.0 AT 05:00 MST ON JUL 20	33.1 ON JUL 19	---	---	1960
1961	36.1 AT 15:00 MST ON JUN 7	34.3 ON JUN 7	---	---	1961
1962	27.8 AT 21:00 MST ON JUN 26	26.1 ON JUN 26	---	---	1962
1963	33.4 AT 05:00 MST ON JUL 8	32.6 ON JUL 8	---	---	1963
1964	36.7 AT 04:00 MST ON JUL 10	34.8 ON JUL 10	---	---	1964
1965	---	34.5 ON JUL 8	---	---	1965
1966	---	29.2A ON JUL 9	---	---	1966
1967	32.3 AT 13:00 MST ON JUL 5	31.4 ON JUN 22	0.5710 ON JAN 17	252 000	1967
1968	36.2 AT 01:10 MST ON JUL 13	34.3 ON JUL 10	0.2858 ON MAR 4 *	199 000	1968
1969	34.5 AT 08:52 MST ON JUN 21	33.5 ON JUN 21	0.5109 ON MAR 11	200 000	1969
1970	26.1 AT 09:30 MST ON JUL 9	25.6 ON JUL 9	0.4879 ON FEB 25	190 000	1970
1971	29.4 AT 06:00 MST ON JUL 24	28.2 ON AUG 9	0.5100 ON FEB 21	202 000	1971
1972	41.1 AT 15:30 MST ON JUN 11	38.9 ON JUN 11	0.4638 ON JAN 28	217 000	1972
1973	35.1 AT 21:40 MST ON JUN 24	31.7 ON JUN 26	0.7360 ON FEB 9	184 000	1973
1974	44.6 AT 10:20 MST ON JUN 24	43.3 ON JUN 24	0.6238 ON MAR 30	206 000	1974
1975	37.8 AT 07:00 MST ON JUL 18	36.2 ON JUL 18	0.4818 ON FEB 10	169 000	1975
1976	31.4 AT 11:30 MST ON SEP 6	30.3 ON SEP 6	0.6238 ON MAR 29	223 000	1976
1977	26.8 AT 08:00 MST ON JUN 9	24.8 ON JUN 9	0.5309 ON MAR 15	177 000	1977
1978	30.9 AT 02:00 MST ON JUL 10	29.4 ON JUL 9	0.2749 ON MAR 23	213 000	1978
1979	---	30.0E ON JUL 21	0.5809 ON APR 5	208 000	1979
1980	31.4 AT 11:40 MST ON JUN 17	30.7 ON JUN 17	0.3823 ON MAR 2	197 000	1980
1981	36.4 AT 03:25 MST ON JUL 15	33.6 ON JUL 15	0.4758 ON FEB 10	211 000	1981
1982	34.6 AT 06:00 MST ON JUL 22	33.8 ON JUL 22	0.4758 ON FEB 10	216 000	1982
1983	36.4 AT 10:25 MST ON JUL 14	35.6 ON JUL 14	0.4408 ON APR 15	195 000	1983
1984	43.8 AT 03:00 MST ON JUN 30	39.5 ON JUN 30	0.5109 ON MAR 18	196 000	1984
1985	39.8 AT 09:05 MST ON JUL 11	38.8 ON JUL 11	0.4208 ON JAN 31	181 000	1985
1986	42.0E AT 06:35 MST ON JUN 2	41.0A ON MAY 30	0.4809 ON FEB 16	210 000	1986
				202 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MODESTY CREEK NEAR BRETON - STATION NO. 05DE008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	0.434	---	---	---	---	---	1972
MEAN	---	---	---	---	---	---	---	0.434	---	---	---	---	---	MEAN

LOCATION - LAT 53 08 19 N, LONG 114 30 34 W
DRAINAGE AREA 374 km^2
NATURAL FLOW

MONITOR CREEK NEAR CONSORT - STATION NO. 05GA011

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1983	---	---	---	---	---	0.001	0.004	0	0	0	---	---	---	1983
1984	---	---	0.033	0.007	0.001	0.001	0	0.029	0.003	0.001	---	---	0.009	1984
1985	---	---	0.003	1.70	0.137	0.017	0	0	0	0	---	---	0.228	1985
1986	---	---	0.071	0.003	0.008	0	0.078	0.005	0	0	---	---	0.021	1986
MEAN	---	---	0.035	0.570	0.049	0.005	0.021	0.009	0.001	0	---	---	0.088	MEAN

LOCATION - LAT 51 52 26 N, LONG 110 46 37 W
DRAINAGE AREA 910 km^2
NATURAL FLOW

MONITOR CREEK NEAR CONSORT - STATION NO. 05GA011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1983	---	---	0A ON MAY 30 *	---	1983
1984	2.47 AT 22:43 MST ON AUG 3	0.555 ON AUG 4	0E ON MAR 1	196	1984
1985	---	4.98 B ON APR 7 *	0E ON MAR 1	4 630	1985
1986	5.33 AT 01:51 MST ON JUL 27 *	1.44 ON JUL 27	0A ON MAY 27	442	1986
				1 620	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MONITOR CREEK NEAR MONITOR - STATION NO. 05GA003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1954	---	---	0	0.234	0.058	0.039	0.004	0.061	0.180	0.026	---	---	0.072	1954
1955	---	---	0.114	0.315	0.187	0.020	0.003	0.004	0	0.005	---	---	0.078	1955
1956	---	---	0	4.34	0.564	0.108	0.181	0.044	0.055	0.037	---	---	0.858	1956
1957	---	---	0.141	0.222	0.037	0.009	0	0.014	0.017	0.018	---	---	0.057	1957
1958	---	---	0	1.86	0.045	0.013	0.005	0.011	0	0	---	---	0.237	1958
1959	---	---	0.100	0.017	0.005	0	0	0	0	0.001	---	---	0.015	1959
1960	---	---	0.259	0.024	0	0	0	0	0	0	---	---	0.036	1960
1961	---	---	0.013	0.010	0.002	0	0	0	0	0	---	---	0.003	1961
1962	---	---	0	0.283	0	0	0.580	0.039	0.008	0	---	---	0.113	1962
1963	---	---	0.749	0.104	0.015	0.050	0.530	0.007	0	0	---	---	0.183	1963
1964	---	---	0	0.005	0.034	0.001	0	0	0.001	0	---	---	0.005	1964
1965	---	---	0	5.18	0.199	0.138	0.082	0.001	0	0.028	---	---	0.891	1965
1966	---	---	0.059	0.056	0.003	0.006	0	0.033	0	0.005	---	---	0.020	1966
1967	---	---	0	0.780	0.297	0.035	0	0	0	0	---	---	0.137	1967
1968	---	---	0.408	0.104	0.004	0.002	0	0	0.005	0	---	---	0.088	1968
1969	---	---	0	3.56	0.100	0	0.004	0	0.027	0	---	---	0.462	1969
1970	---	---	0	1.33	0.051	0.005	0.007	0	0.011	0	---	---	0.172	1970
1971	---	---	0	2.53	0.533	0	0	0.042	0	0	---	---	0.382	1971
1972	---	---	0.005	0.173	0.004	0	0.018	0.004	0.021	0.024	---	---	0.030	1972
1973	---	---	0.026	0.098	0.008	0.948	0.034	0	0	0.025	---	---	0.140	1973
1974	---	---	0	3.80	1.53	0.090	0.001	0.052	0	0.048	---	---	0.883	1974
1975	---	---	0	0.591	0.582	0.089	0.004	0	0.113	0.020	---	---	0.188	1975
1976	---	---	0.114	0.503	0.025	0.011	0.037	0	0	0.002	---	---	0.085	1976
1977	---	---	0.001	0.035	0.486	0.001	0	0	0	0	---	---	0.087	1977
1978	---	---	0.285	0.236	0.003	0.006	0	0	0	0	---	---	0.057	1978
1979	---	---	0.856	0.050	0.029	0	0	0	0	0	---	---	0.093	1979
1980	---	---	0.005	0.068	0	0.003	0.002	0	0	0	---	---	0.010	1980
1981	---	---	0.173	0.071	0.019	0	0	0	0	0	---	---	0.033	1981
1982	---	---	0	0.087	0.012	0.005	0.159	0.003	0	0	---	---	0.031	1982
1983	---	---	0.085	0.064	0.023	0.023	0.067	0.003	0	0	---	---	0.031	1983
1984	---	---	0.104	0.054	0.001	0.017	0.002	0	0.023	0.015	---	---	0.027	1984
1985	---	---	0.375	3.70	0.047	0.014	0	0	0	0	---	---	0.508	1985
1986	---	---	0.334	0.045	0.015	0	0.003	0	0.094	0.003	---	---	0.082	1986
MEAN	---	---	0.121	0.824	0.148	0.049	0.052	0.010	0.017	0.008	---	---	0.184	MEAN

LOCATION - LAT 51 58 10 N DRAINAGE AREA 1 440 km²
LONG 110 34 30 W REGULATED

MONITOR CREEK NEAR MONITOR - STATION NO. 05GA003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1954	1.78 B AT 07 45 MST ON APR 14	1.61 B ON APR 14	0B ON MAR 1 *	1 520	1954
1955	2.10 B AT 08 15 MST ON MAR 31	1.95 B ON MAR 31	0B ON MAR 1	1 650	1955
1956	20.3 B AT 21 00 MST ON APR 15 *	18.5 B ON APR 15	0B ON MAR 1	14 000	1956
1957	0.8068 AT 13 30 MST ON MAR 23	0.7938 ON MAR 24	0B ON MAR 1	1 200	1957
1958	13.1 B AT 10 00 MST ON APR 5	12.7 B ON APR 5	0B ON MAR 1	5 020	1958
1959	0.3988 AT 09 00 MST ON MAR 18	0.3885 ON MAR 18	0B ON MAR 1	327	1959
1960	---	2.10 B ON MAR 21	0B ON MAR 1	756	1960
1961	0.116 AT 18 30 MST ON APR 3	0.108 ON APR 4	0B ON MAR 1	86.5	1961
1962	5.92 AT 12 00 MST ON JUL 15	4.30 ON JUL 15	0B ON MAR 1	2 380	1962
1963	---	2.70 ON JUL 10	0B ON MAR 1	3 880	1963
1964	---	0.173 ON MAY 7	0B ON MAR 1	111	1964
1965	---	25.9 ON APR 12 *	0B ON MAR 1	14 800	1965
1966	---	0.8818 ON MAR 31	0B ON MAR 1	428	1966
1967	---	3.05 ON APR 30	0B ON MAR 1	2 910	1967
1968	---	3.05 B ON MAR 1	0B ON MAR 14	1 380	1968
1969	---	15.1 ON APR 9	0B ON MAR 1	9 570	1969
1970	---	6.09 B ON APR 11	0B ON MAR 1	3 830	1970
1971	---	10.7 B ON APR 15	0B ON MAR 1	8 080	1971
1972	---	0.5808 ON APR 8	0B ON MAR 1	441	1972
1973	---	9.34 ON JUN 15	0B ON MAR 1	2 880	1973
1974	---	17.1 ON APR 21	0B ON MAR 1	14 500	1974
1975	---	3.23 B ON APR 26	0B ON MAR 1	3 550	1975
1976	2.81 B AT 02 30 MST ON APR 1	2.57 B ON APR 1	0B ON MAR 1	1 810	1976
1977	3.08 AT 12 00 MST ON MAY 12	2.15 ON MAY 12	0B ON MAR 1	1 430	1977
1978	---	1.81 B ON MAR 28	0B ON MAR 1	1 420	1978
1979	---	2.95 B ON MAR 17	0 ON MAR 1	1 870	1979
1980	0.320 AT 08 00 MST ON APR 4	0.2028 ON APR 4	0B ON MAR 1	202	1980
1981	---	0.7808 ON MAR 16	0B ON MAR 1	700	1981
1982	2.79 AT 10 28 MST ON JUL 3	2.02 ON JUL 3	0B ON MAR 1	851	1982
1983	---	0.6378 ON MAR 30	0B ON MAR 1	848	1983
1984	---	0.8638 ON MAR 28	0B ON MAR 1	572	1984
1985	12.2 AT 22 55 MST ON APR 3	11.0 ON APR 4	0B ON MAR 1	10 800	1985
1986	---	1.51 B ON MAR 5	0 ON MAY 29	1 310	1986
				3 480	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MONTAGNEUSE RIVER NEAR HINES CREEK - STATION NO 07FD012

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	---	---	0.156	0.080	---	---	---	1975
1976	---	---	0	2.18	0.551	1.76	1.17	1.23	0.279	0.204	---	---	---	1976
1977	---	---	0.001	1.80	1.80	3.56	0.281	0.062	0.052	0.135	---	---	0.916	1977
1978	---	---	0	0.607	1.48	0.251	0.012	0	0.093	0.111	---	---	0.984	1978
1979	---	---	0	1.02	2.34	1.47	1.90	0.263	0.086	0.081	---	---	0.319	1979
1980	---	---	0.001	0.189	0.089	0.180	0.095	0.012	0.072	0.080	---	---	0.894	1980
1981	---	---	0.001	2.22	1.53	0.349	0.199	0.018	0	0	---	---	0.082	1981
1982	---	---	0	0.885	1.55	0.051	0	0.021	0.001	0.001	---	---	0.537	1982
1983	---	---	0	0.617	0.304	0.741	1.50	0.816	0.014	0.034	---	---	0.314	1983
1984	---	---	0.088	0.831	3.58	0.602	0.798	0.040	0.063	0.048	---	---	0.478	1984
1985	---	---	0.006	1.45	0.590	0.107	0.079	0.013	0.187	0.335	---	---	0.734	1985
1986	---	---	0.090	1.33	1.87	0.111	0.063	0.085	0.006	0.012	---	---	0.344	1986
MEAN	---	---	0.017	1.19	1.43	0.833	0.554	0.213	0.084	0.088	---	---	0.465	MEAN

LOCATION - LAT 56 23 00 N LONG 118 42 40 W DRAINAGE AREA, 230 km² NATURAL FLOW

MONTAGNEUSE RIVER NEAR HINES CREEK - STATION NO 07FD012

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1975	---	---	---	---	1975
1976	12.1 AT 19 30 MST ON JUN 28	11.2 ON JUN 28	0.0 ON MAR 1 *	19 400	1976
1977	10.2 AT 13 00 MST ON JUN 11	8.74 ON JUN 11	0.0 ON MAR 1	20 400	1977
1978	3.37 AT 02 30 MST ON MAY 2	3.26 ON MAY 1	0.0 ON MAR 1	6 750	1978
1979	9.36 AT 13 00 MST ON APR 30	9.08 ON APR 30	0.0 ON MAR 1	18 900	1979
1980	0.8528 AT 08 00 MST ON APR 18	0.584 ON JUN 18	0.0 ON MAR 1	1 730	1980
1981	10.5 B AT 00 00 MST ON APR 23	9.01 B ON APR 23	0.0 ON MAR 1	11 400	1981
1982	5.88 AT 13 00 MST ON APR 26	5.70 ON APR 26	0.0 ON MAR 1	6 640	1982
1983	8.39 AT 13 30 MST ON JUL 26	8.01 ON JUL 26	0.0 ON MAR 1	10 100	1983
1984	30.6 AT 15 30 MST ON MAY 22 *	26.9 ON MAY 22 *	0.0 ON MAR 1	15 800	1984
1985	4.83 AT 04 30 MST ON APR 15	4.37 ON APR 14	0.0 ON MAR 1	7 270	1985
1986	4.06 B AT 15 00 MST ON APR 5	3.58 ON MAY 15	0.0 ON MAR 1	9 540	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		11 600	MEAN

MOOSEHILLS CREEK NEAR ELK POINT - STATION NO 05ED003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	---	0.002	0.007	0.008	0.015	---	---	---	1978
1979	---	---	0.004	0.278	0.306	0.134	0.085	0.009	0.010	0.006	---	---	0.101	1979
1980	---	---	0.001	0.144	0.018	0.005	0.007	0.012	0.011	0.018	---	---	0.028	1980
1981	---	---	0.088	0.157	0.009	0.011	0.050	0.004	0	0	---	---	0.037	1981
1982	---	---	0	0.133	0.068	0.001	0.071	0.027	0.004	0	---	---	0.038	1982
1983	---	---	0	0.031	0.024	0.012	0.079	0.004	0.029	0.006	---	---	0.023	1983
1984	---	---	0.028	0.077	0.082	0.100	0.002	0.001	0.002	0.002	---	---	0.035	1984
1985	---	---	0	0.378	0.158	0.105	0.010	0.014	0	0.002	---	---	0.082	1985
1986	---	---	0.082	0.188	0.289	0.025	0.226	0.038	0.003	0.001	---	---	0.105	1986
MEAN	---	---	0.020	0.174	0.118	0.048	0.057	0.013	0.007	0.008	---	---	0.055	MEAN

LOCATION - LAT 53 56 03 N LONG 110 46 36 W DRAINAGE AREA, 35.5 km² NATURAL FLOW

MOOSEHILLS CREEK NEAR ELK POINT - STATION NO 05ED003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1978	---	---	---	---	1978
1979	---	1.12 ON APR 24	0.001E ON MAR 1	2 130	1979
1980	---	0.490 ON APR 15	0 ON JUN 7 *	551	1980
1981	1.32 AT 00 30 MST ON MAR 30	0.5908 ON MAR 31	0 ON JUN 4	788	1981
1982	---	0.5588 ON APR 25	0 B ON MAR 1	795	1982
1983	0.381 AT 07 58 MST ON JUL 26	0.302 ON JUL 26	0 B ON MAR 1	491	1983
1984	2.24 AT 10 27 MST ON MAY 22 *	0.368 ON MAY 18	0 B ON MAR 1	770	1984
1985	1.22 AT 12 22 MST ON APR 27	1.13 ON APR 27	0 B ON MAR 1	1 740	1985
1986	1.47 AT 02 02 MST ON JUL 15	1.25 ON JUL 15 *	0.001B ON MAR 1	2 230	1986
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 190	MEAN

MOOSELAKE RIVER NEAR FRANCHERE - STATION NO 08AC006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	---	---	---	---	---	---	---	---	0.018	0.010	---	1980
1981	0	0	0.050	1.88	1.20	0.187	0.013	0.007	0.001	0.002	0.001	0	0.282	1981
1982	0	0	0	0.084	0.025	0.012	0.037	0.033	0.014	0.004	0.004	0.005	0.019	1982
1983	0	0	0	0	0.012	0.004	0.013	0.036	0.008	0.002	0.003	0.007	0.007	1983
1984	0.001	0	0.009	0.020	0.004	0.036	0.002	0.003	0.006	0.007	0.002	0.001	0.007	1984
1985	0	0	0	0.084	0.089	0.006	0	0	0	0	0	0	0.018	1985
1986	0	0	0	0	0	0	0	0	0	0	0	0	0	1986
MEAN	0	0	0.010	0.313	0.222	0.044	0.015	0.009	0.004	0.003	0.005	0.003	0.052	MEAN

LOCATION - LAT 54 20 25 N
LONG 111 00 10 W
DRAINAGE AREA, 1 010 km²
NATURAL FLOW

MOOSELAKE RIVER NEAR FRANCHERE - STATION NO 08AC006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1980	---	---	08 ON DEC 30 *	---	1980
1981	2.36 AT 04 00 MST ON APR 22 *	2.32 ON APR 22 *	08 ON JAN 1	8 390	1981
1982	---	0.3708 ON APR 25	08 ON JAN 1	597	1982
1983	---	0.180 ON JUL 2	08 ON JAN 10	231	1983
1984	---	0.1238 ON OCT 25	08 ON JAN 18	237	1984
1985	0.278 AT 15 59 MST ON APR 26	0.231 ON MAY 5	08 ON JAN 6	501	1985
1986	---	0 ON JAN 1	0 ON JAN 1	0	1986
				1 840	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MOSQUITO CREEK NEAR NANTON - STATION NO 08AC001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1906	---	---	---	---	---	---	---	1.24	0.727	0.858	---	---	---	1906
1909	---	---	---	---	4.24	0.870	1.17	0.288	0.188	0.199	---	---	---	1909
1910	---	---	---	0.535	0.152	0.037	0	0	0.050	0.048	---	---	0.115	1910
1911	---	---	---	0.201	0.232	0.041	0.078	0.251	0.188	0.142	---	---	0.185	1911
1912	---	---	---	---	---	---	0.873	0.840	0.487	0.404	---	---	---	1912
1913	---	---	---	---	0.547	0.880	1.02	0.878	0.189	0.206	---	---	---	1913
1914	---	---	---	1.23	0.300	0.082	0.014	0	0	0.235	---	---	0.383	1914
1915	---	---	---	0.148	2.08	7.27	5.48	2.98	1.28	1.01	---	---	3.03	1915
1916	---	---	---	2.30	2.24	5.13	2.44	2.44	4.31	2.54	---	---	3.18	1916
1917	---	---	---	4.35	4.48	10.6	2.43	1.23	0.788	0.803	---	---	3.54	1917
1918	---	---	---	1.45	0.339	0.084	0.018	0.371	0.049	0.041	---	---	0.318	1918
1919	---	---	0.036	0.815	0.134	0.013	0	0	0.002	0.004	---	---	0.108	1919
MEAN	---	---	0.036	1.35	1.61	2.63	1.32	0.843	0.888	0.802	---	---	1.34	MEAN

LOCATION - LAT 50 22 34 N
LONG 113 49 39 W
DRAINAGE AREA, 522 km²
NATURAL FLOW

MOSQUITO CREEK NEAR NANTON - STATION NO 08AC001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1906	---	---	---	---	1906
1909	---	28.4 ON MAY 24	---	---	1909
1910	---	1.32 ON APR 1	0 ON JUL 8 *	2 120	1910
1911	---	1.81 ON MAY 13	0.003 ON JUN 19	3 050	1911
1912	---	4.46 ON JUN 16	---	---	1912
1913	---	4.78 ON AUG 9	---	---	1913
1914	---	2.46 ON APR 4	0 ON JUL 17	4 880	1914
1915	---	44.5 ON JUN 25 *	0.102 ON APR 3	55 000	1915
1916	---	24.0 ON SEP 4	0.481 ON APR 28	55 800	1916
1917	---	33.1 ON JUN 11	0.0678 ON APR 1	55 500	1917
1918	---	5.13 ON APR 15	0.003 ON AUG 3	5 800	1918
1919	---	1.428 ON APR 5	0 ON JUN 14	2 010	1919
				24 800	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MOSQUITO CREEK NEAR THE MOUTH - STATION NO 08AC031

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	0.207	0.982	0.484	0.824	0.809	0.513	0.471	0.313	---	---	0.588	1982
1983	---	---	0.358	0.488	0.517	0.879	0.880	0.351	0.172	0.178	---	---	0.426	1983
1984	---	---	0.088	0.180	0.378	0.828	0.819	0.487	0.348	0.218	---	---	0.415	1984
1985	---	---	0.183	0.128	0.721	0.889	0.985	0.704	0.858	0.484	---	---	0.633	1985
1986	---	---	0.259	0.074	0.384	1.05	1.18	0.743	0.782	0.380	---	---	0.801	1986
MEAN	---	---	0.219	0.388	0.483	0.894	0.913	0.680	0.638	0.311	---	---	0.534	MEAN

LOCATION - LAT 50 15 20 N
LONG 113 33 15 W
DRAINAGE AREA, 838 km²
REGULATED

MOSQUITO CREEK NEAR THE MOUTH - STATION NO. 05AC031

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	5.87 AT 10:55 MST ON JUL 1 *	4.87 ON JUL 1 *	0 B ON MAR 1 *	12 700	1982
1983	---	1.38B ON MAR 12	0.098B ON MAR 30	9 020	1983
1984	1.26 AT 15:55 MST ON JUL 18	1.12 ON JUL 30	0 B ON MAR 1	8 780	1984
1985	2.81 AT 18:32 MST ON SEP 13	2.42 ON SEP 13	0.034 ON MAY 8	13 400	1985
1986	---	1.49 ON JUL 28	0.028 ON MAY 2	12 700	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		11 300	MEAN

MOUNTAIN VIEW CANAL BELOW MAMI CREEK - STATION NO. 05AD023

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	---	0.004	0.006	0.888	0.597	0.365	0.806	0.017	0.001	---	0.345	1981
1982	---	---	0.008	0.028	0.002	0.859	0.402	0.387	0.488	0.311	0.018	---	0.313	1982
1983	---	---	---	0.001	0.853	0.556	0.235	0.776	0.844	0.108	0.080	---	0.408	1983
1984	---	---	---	0.005	0.008	0.047	0.498	1.00	0.285	0.281	0.088	---	0.278	1984
1985	---	---	---	0.006	0.009	0.189	0.018	0.348	0.185	0.123	0.038	---	0.108	1985
1986	---	---	---	0.008	0.047	0.305	0.144	0.571	0.597	0.185	0	---	0.232	1986
1987	---	---	---	0.008	0.048	0.015	0.153	0.835	0.945	0.283	0	---	0.288	1987
1988	---	---	---	0.007	0.004	0.220	0.188	0.017	0.015	0.003	0.012	---	0.080	1988
1989	---	---	---	0.012	0.148	0.193	0.054	0.589	0.843	0.206	0	---	0.267	1989
1990	---	---	---	0	0.007	0.123	0.280	0.438	0.833	0.484	0.002	---	0.244	1990
1991	---	---	---	0.011	0.188	0.363	0.278	0.777	0.784	0.185	0	---	0.325	1991
1992	---	---	---	0.008	0.008	0.057	0.188	0.172	0.275	0.471	0.011	---	0.150	1992
1993	---	---	---	0.003	0.221	0.902	0.552	0.834	0.894	0.142	0	---	0.419	1993
1994	---	---	0	0.008	0.007	0.177	0.878	0.583	0.254	0.256	0.134	---	0.264	1994
MEAN	---	---	0.004	0.008	0.088	0.358	0.305	0.550	0.550	0.218	0.028	---	0.264	MEAN

LOCATION - LAT 49 06 27 N
LONG 113 37 47 W REGULATED

MOUNTAIN VIEW CANAL BELOW MAMI CREEK - STATION NO. 05AD023

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	---	1.59 ON JUN 17 *	0 ON MAY 22 *	7 300	1981
1982	---	1.38 ON JUN 12	0 ON MAY 4	6 500	1982
1983	---	1.62 ON SEP 8	0 ON APR 13	8 610	1983
1984	---	1.50 ON AUG 18	0E ON APR 1	5 850	1984
1985	---	1.09 ON AUG 20	0E ON APR 1	2 280	1985
1986	---	1.15 ON SEP 18	0 ON MAY 19	4 900	1986
1987	---	1.19 ON SEP 1	0E ON APR 1	5 080	1987
1988	---	0.748 ON JUN 28	0 ON MAY 18	1 280	1988
1989	---	1.14 ON SEP 12	0E ON APR 1	5 840	1989
1990	---	1.19 ON AUG 28	0E ON APR 1	5 140	1990
1991	---	1.16 ON AUG 18	0 ON APR 1	6 850	1991
1992	---	0.841 ON OCT 20	0E ON NOV 14	3 150	1992
1993	---	1.11 ON JUN 14	0 ON MAY 10	8 830	1993
1994	---	1.49 ON AUG 10	0E ON APR 1	5 850	1994
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		5 580	MEAN

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1935	---	---	---	0 001	0 019	0 891	0 759	0 126	0 102	0	0	---	0 237	1935
1936	---	---	---	0	0 771	0 907	0 891	0 115	0	0	0	---	0 337	1936
1937	---	---	---	0	1 27	0 488	0 938	0 816	0 581	0 054	0	---	0 522	1937
1938	---	---	0 179	0 185	0 125	0 287	0 341	0 606	0 546	0 351	0	---	0 304	1938
1939	---	---	---	0	0 730	0 275	0 995	0 844	0 621	0 068	0	---	0 420	1939
1940	---	---	---	0 618	1 04	0 918	0 854	0 539	0 635	0	0	---	0 576	1940
1941	---	---	---	0	0 689	0 852	0 884	0 320	0 901	0	0	---	0 428	1941
1942	---	---	---	0	0	0	0	0	0	0	0	---	0	1942
1943	---	---	---	0 322	0 205	0 230	0 083	0 231	0 656	0 656	0 414	---	0 349	1943
1944	---	---	---	0 258	1 34	1 21	1 05	0 730	0 777	0 646	0 384	---	0 799	1944
1945	---	---	---	0	0 106	0 259	0 091	0 420	0 817	0 891	0 351	---	0 342	1945
1946	---	---	---	0	0 747	0 787	0 046	0 128	0 009	0 446	0	---	0 289	1946
1947	---	---	---	0 144	0 527	1 25	0 970	0 618	0 401	0	0	---	0 490	1947
1948	---	---	---	0	0 542	0 303	0 013	0 004	0 390	0 011	0 158	---	0 177	1948
1949	---	---	---	0 232	1 02	0	0 191	0 120	0	0	1 49	---	0 381	1949
1950	---	---	---	0	0 100	0 563	1 88	0 087	1 84	1 31	0	---	0 872	1950
1951	---	---	---	0	0	0 184	0 180	0 521	0 047	0 105	0	---	0 131	1951
1952	---	---	---	0	0 284	1 17	0 500	0 486	0 880	0 699	0 111	---	0 518	1952
1953	---	---	0 003	0 109	0 327	0 385	0 133	0 905	0 934	1 11	0 231	---	0 519	1953
1954	---	---	0 028	0 065	0 211	0 292	1 57	0 032	0 013	0 013	0	---	0 278	1954
1955	---	---	0	0	0 221	0 278	0 201	0 213	1 12	0 725	0 016	---	0 347	1955
1956	---	---	---	0	0 212	2 50	0 951	1 08	1 21	0 111	0	---	0 756	1956
1957	---	---	0	0 014	1 20	1 97	0 592	1 77	1 51	0 739	0	---	0 876	1957
1958	---	---	---	0 031	0 483	1 16	0 109	0 947	0 877	1 86	0 025	---	0 684	1958
1959	---	---	0 003	0 056	0 127	0 669	1 83	0 854	2 18	0 220	0	---	0 716	1959
1960	---	---	---	0 283	0 143	1 28	2 84	1 20	0 921	1 34	0 104	---	1 02	1960
1961	---	---	0 018	0 584	1 39	3 10	1 88	1 35	1 38	0 815	0 001	---	1 31	1961
1962	---	---	0 051	0 131	0 044	2 18	2 14	0 839	2 03	0 004	0 226	---	0 948	1962
1963	---	---	0 002	0 882	2 99	2 68	1 25	2 11	1 98	0 778	0 844	---	1 86	1963
1964	---	---	0	0 017	0 215	0 755	1 57	2 20	2 59	0 793	0 724	---	1 11	1964
1965	---	---	0	0 088	0 485	0 478	0 142	2 89	0 518	0 014	0 319	---	0 596	1965
1966	---	---	0 016	0 071	0 316	0 436	1 51	1 50	2 49	0 715	0 104	---	0 895	1966
1967	---	---	---	0 024	0 448	0 382	1 08	3 36	1 85	2 10	0 184	---	1 18	1967
1968	---	---	---	0 037	0 965	0 888	1 06	1 38	0 408	0 126	0 063	---	0 521	1968
1969	---	---	---	0 084	0 199	1 81	0 539	1 59	1 17	0 009	0 002	---	0 674	1969
1970	---	---	---	0	2 59	1 55	1 29	2 58	2 03	0 581	0 035	---	1 34	1970
1971	---	---	---	0 030	1 48	0 971	2 00	1 81	2 30	0 318	0 002	---	1 12	1971
1972	---	---	---	0 080	0 103	0 052	0 947	0 914	1 31	0 781	0 003	---	0 526	1972
1973	---	---	---	0 087	0 933	2 84	2 76	2 82	1 83	0 879	0	---	1 50	1973
1974	---	---	---	0 036	0 171	1 24	2 27	2 56	0 888	0 806	0 221	---	1 01	1974
1975	---	---	---	0 044	0 557	0 317	0 080	1 72	1 23	0 603	0 001	---	0 572	1975
1976	---	---	---	0 086	0 202	1 01	1 40	1 28	1 26	1 11	0 002	---	0 794	1976
1977	---	---	---	0 375	2 77	3 32	3 18	1 31	0 980	0 504	0	---	1 58	1977
1978	---	---	---	0 020	0 086	0 431	0 889	0 950	0 349	0 402	0	---	0 391	1978
1979	---	---	---	0 084	0 155	1 24	2 06	0 825	1 35	0 190	0 146	---	0 756	1979
1980	---	---	---	0 715	2 21	0 102	1 55	1 37	1 01	0 753	0 027	---	0 974	1980
1981	---	---	---	0 043	0 379	0 176	1 10	1 59	1 67	0 720	0 005	---	0 714	1981
1982	---	---	---	0 013	0 155	1 29	1 18	2 81	1 75	0 890	0 005	---	0 990	1982
1983	---	---	---	0 034	0 541	2 39	1 97	2 34	2 08	0 592	0 089	---	1 25	1983
1984	---	---	---	0 005	1 54	2 29	2 81	2 64	1 54	0 464	0	---	1 42	1984
1985	---	---	---	0 090	1 76	2 29	2 67	2 21	0 889	0 252	0 024	---	1 26	1985
1986	---	---	---	0 040	0 314	1 40	2 40	2 34	0 822	0 034	0 011	---	0 900	1986
MEAN	---	---	0 025	0 115	0 881	1 05	1 15	1 20	1 05	0 500	0 116	---	0 738	MEAN

LOCATION - LAT 49 05 00 N
LONG 113 41 30 W REGULATED

MOUNTAIN VIEW IRRIGATION DISTRICT CANAL - STATION NO 05AD017

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1935	---	1.20 ON JUN 9	0 ON APR 1 *	5 000	1935
1936	---	1.64 ON JUN 1	0 ON APR 1	7 120	1936
1937	---	1.76 ON JUL 5	0 ON APR 1	11 000	1937
1938	---	1.31 ON AUG 19	0 ON AUG 11	6 400	1938
1939	---	1.59 ON JUL 6	0 ON APR 1	8 850	1939
1940	---	2.04 ON APR 22	0 E ON OCT 1	12 200	1940
1941	---	1.33 ON SEP 14	0 ON APR 1	9 030	1941
1942	---	0 ON APR 1	0 ON APR 1	0	1942
1943	---	2.12 ON APR 5	0 ON JUL 16	7 350	1943
1944	---	1.70 ON JUN 17	0 ON APR 1	16 900	1944
1945	---	1.10 ON SEP 23	0 ON APR 1	7 210	1945
1946	---	1.27 ON JUN 6	0 ON APR 1	5 880	1946
1947	---	1.38 ON JUN 6	0 E ON OCT 1	10 300	1947
1948	---	1.26 ON JUN 17	0 ON APR 1	3 730	1948
1949	---	2.52E ON NOV 12	0 ON APR 1	8 020	1949
1950	---	3.82 ON JUL 3	0 ON APR 1	14 200	1950
1951	---	1.10 ON AUG 19	0 ON APR 1	2 760	1951
1952	---	1.93 ON JUN 7	0 ON APR 1	10 900	1952
1953	---	2.15 ON AUG 24	0.003B ON APR 24	10 900	1953
1954	---	2.86 ON JUL 6	0 ON NOV 3	6 850	1954
1955	---	2.94 ON SEP 5	0 B ON APR 1	7 320	1955
1956	---	3.51 ON JUN 15	0 ON APR 1	15 900	1956
1957	---	4.02 ON AUG 16	0 B ON APR 1	20 800	1957
1958	---	3.57 ON AUG 21	0 B ON APR 5	14 000	1958
1959	---	3.45 ON JUL 23	0 B ON APR 1	15 100	1959
1960	---	4.05 ON JUN 30	0 ON AUG 14	21 500	1960
1961	---	4.39 ON JUN 6	0 ON AUG 31	27 700	1961
1962	---	3.78 ON SEP 12	0 ON AUG 6	20 000	1962
1963	---	4.19 ON JUN 6	0 E ON NOV 20	35 100	1963
1964	---	4.59 ON JUN 8	0 E ON NOV 20	23 400	1964
1965	---	4.18 ON AUG 5	0 B ON APR 1	12 800	1965
1966	---	3.43 ON AUG 20	0.006 ON NOV 23	18 900	1966
1967	---	3.78 ON AUG 28	0 ON NOV 18	24 500	1967
1968	---	3.06 ON JUN 22	0.003 ON APR 1	13 100	1968
1969	---	4.62 ON JUN 8	0 B ON APR 1	14 200	1969
1970	---	5.30 ON MAY 24 *	0 B ON APR 1	28 200	1970
1971	---	2.84 ON AUG 16	0 B ON APR 1	23 600	1971
1972	---	2.65 ON JUL 19	0 ON NOV 3	11 100	1972
1973	---	4.78 ON JUN 2	0 B ON APR 1	31 800	1973
1974	---	4.42 ON JUL 30	0 B ON APR 1	21 200	1974
1975	---	2.92 ON AUG 13	0 B ON APR 1	12 000	1975
1976	---	3.34 ON JUL 24	0 B ON APR 1	16 700	1976
1977	---	4.28 ON MAY 12	0 ON SEP 2	33 000	1977
1978	---	1.42 ON AUG 22	0 E ON NOV 1	6 250	1978
1979	---	3.47 ON JUL 7	0 B ON APR 1	16 000	1979
1980	---	5.18 ON MAY 18	0 ON APR 1	20 500	1980
1981	---	2.20 ON AUG 16	0 ON NOV 11	15 100	1981
1982	---	3.30 ON AUG 4	0 E ON APR 1	20 800	1982
1983	---	3.22 ON AUG 12	0 ON APR 1	28 400	1983
1984	---	3.73 ON JUL 30	0 ON APR 1	29 900	1984
1985	---	4.22 ON AUG 13	0 ON APR 1	28 500	1985
1986	---	3.00 ON JUL 18	0 B ON NOV 29	19 000	1986
				15 500	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MUD LAKE DIVERSION CANAL - STATION NO 05BF013

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1949	---	---	---	---	---	---	---	---	0.541	0.213	0.138	0.114	---	1949
1950	0.085	0.057	0.057	0.028	0.110	2.11	2.00	1.03	0.444	0.208	---	---	0.980	1950
1951	---	---	---	---	---	1.84	3.15	1.15	0.585	0.340	---	---	---	1951
1952	---	---	---	---	---	1.85	1.53	1.11	0.515	0.226	---	---	---	1952
1953	---	---	---	---	---	2.44	2.43	1.15	0.571	0.284	---	---	---	1953
1954	---	---	---	---	---	2.21	3.04	1.15	0.582	0.219	0.091	---	---	1954
1955	---	---	---	---	---	2.45	2.40	1.12	0.585	0.247	---	---	---	1955
1956	---	---	---	---	---	2.72	2.26	1.19	0.579	0.250	---	---	---	1956
1957	---	---	---	---	---	1.97	1.33	0.755	0.478	0.270	---	---	---	1957
1958	---	---	---	---	1.16	1.56	1.60	1.18	0.803	0.287	---	---	1.08	1958
1959	---	---	---	---	---	2.82	1.86	1.03	0.906	0.443	---	---	---	1959
1960	---	---	---	---	0.272	3.21	3.29	1.85	0.836	0.305	---	---	1.59	1960
1961	---	---	---	---	---	4.75	2.85	2.18	0.758	0.527	---	---	---	1961
1962	---	---	---	---	0.637	2.83	1.98	1.57	0.789	0.372	---	---	1.36	1962
1963	---	---	---	---	---	3.43	3.09	1.53	1.36	0.488	---	---	---	1963
1964	---	---	---	---	---	4.78	3.47	1.41	0.733	0.562	---	---	---	1964
1965	---	---	---	---	---	3.49	3.25	2.23	0.810	0.570	---	---	---	1965
1966	---	---	---	---	---	3.50	3.17	1.56	0.909	0.476	---	---	---	1966
1967	---	---	---	---	---	5.08	3.78	2.03	1.12	0.513	---	---	---	1967
1968	---	---	---	---	0.788	3.35	2.89	1.82	0.987	0.351	---	---	1.85	1968
1969	---	---	---	---	1.48	3.55	2.26	1.33	0.697	0.385	---	---	1.81	1969
1970	---	---	---	---	0.841	4.23	2.54	1.35	0.589	0.285	---	---	1.59	1970
1971	---	---	---	---	1.21	4.22	2.73	2.10	0.855	0.295	---	---	1.86	1971
1972	---	---	---	---	0.851	5.10	2.81	2.13	0.675	0.287	---	---	1.93	1972
1973	---	---	---	---	0.865	3.17	2.44	1.47	0.734	0.286	---	---	1.49	1973
1974	---	---	---	---	0.327	5.29	3.23	1.86	0.839	0.300	---	---	1.95	1974
1975	---	---	---	---	0.201	2.82	3.40	1.56	0.594	0.276	---	---	1.47	1975
1976	---	---	---	---	1.36	2.32	3.26	2.54	1.39	0.449	---	---	1.89	1976
1977	---	---	---	---	0.795	2.40	1.86	1.88	0.838	0.298	---	---	1.31	1977
1978	---	---	---	---	0.805	3.57	2.83	1.35	1.23	0.483	---	---	1.87	1978
1979	---	---	---	---	0.728	2.55	1.93	1.42	0.788	0.319	---	---	1.28	1979
1980	---	---	---	---	2.81	2.91	1.78	1.44	0.780	0.573	---	---	1.68	1980
1981	---	---	---	---	1.85	2.51	3.91	2.12	0.864	0.308	---	---	1.96	1981
1982	---	---	---	---	0.881	4.27	2.34	1.54	1.00	0.401	---	---	1.70	1982
1983	---	---	---	---	1.17	2.72	2.88	1.61	0.514	0.239	---	---	1.48	1983
1984	---	---	---	---	0.370	3.34	2.37	1.85	0.741	0.443	---	---	1.48	1984
1985	---	---	---	---	1.59	2.84	2.13	1.35	0.929	0.338	---	---	1.49	1985
1986	---	---	---	---	1.89	3.16	1.72	1.07	0.455	0.397	---	---	1.45	1986
MEAN	0.085	0.057	0.057	0.028	0.868	3.17	2.57	1.52	0.756	0.354	0.114	0.114	1.58	MEAN

LOCATION - LAT 50 47 30 N
LONG 115 18 00 W

DRAINAGE AREA, 29.0 km²
REGULATED SINCE 1949

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

MUD LAKE DIVERSION CANAL - STATION NO 05BF013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1949	---	---	---	---	1949
1950	---	4.53 ON JUN 16	0.037E ON MAY 1	15 800	1950
1951	---	5.15 ON JUN 15	---	---	1951
1952	---	3.28 ON JUN 6	---	---	1952
1953	---	5.35 ON JUN 13	---	---	1953
1954	---	5.04 ON JUL 6	---	---	1954
1955	---	5.55 ON JUN 24	---	---	1955
1956	---	4.78 ON JUN 5	---	---	1956
1957	---	3.37 ON JUN 8	---	---	1957
1958	---	3.17 ON MAY 25	0.054E ON MAY 7	18 900	1958
1959	---	4.45 ON JUN 14	---	---	1959
1960	---	5.15 ON JUN 25	0.085E ON MAY 1	25 300	1960
1961	---	7.60 ON JUN 7	---	---	1961
1962	---	4.96 ON JUN 18	0.045 ON MAY 7	21 800	1962
1963	---	5.75 ON JUL 8	---	---	1963
1964	---	7.14 ON JUN 9	---	---	1964
1965	---	7.14 ON JUN 18	---	---	1965
1966	---	8.61 ON MAY 31	---	---	1966
1967	---	7.70 ON JUN 18	---	---	1967
1968	---	7.19 ON JUN 3	0.057B ON MAY 1	25 300	1968
1969	---	6.48 ON JUN 5	0.156 ON MAY 5	25 800	1969
1970	---	6.80 ON JUN 16	0.028E ON MAY 1 *	25 300	1970
1971	---	7.55 ON JUN 5	0.057E ON MAY 1	29 800	1971
1972	---	9.77 ON JUN 11	0.113E ON MAY 1	30 700	1972
1973	---	7.02 ON JUN 24	0.057E ON MAY 1	23 800	1973
1974	---	11.5 ON JUN 17	0.085E ON MAY 1	31 200	1974
1975	---	5.18 ON JUL 5	0.085E ON MAY 1	23 400	1975
1976	---	5.84 ON JUL 1	0.170E ON MAY 1	30 000	1976
1977	---	8.43 ON JUN 8	0.227E ON OCT 25	20 800	1977
1978	---	6.51 ON JUN 6	0.173 ON MAY 8	25 500	1978
1979	---	4.45 ON MAY 27	0.057B ON MAY 1	20 400	1979
1980	---	4.82 ON JUN 11	0.249 ON OCT 31	25 700	1980
1981	8.55 AT 24 00 MDT ON MAY 26 *	7.73 ON JUL 5	0.198 ON OCT 31	31 000	1981
1982	7.98 AT 02 00 MST ON JUN 17	7.78 ON JUN 16	0.085B ON MAY 1	27 000	1982
1983	6.80 AT 08 00 MST ON MAY 30	6.17 ON MAY 30	0.113E ON OCT 30	23 700	1983
1984	---	7.22 ON JUN 29	0.088 ON MAY 12	23 800	1984
1985	---	5.59 ON MAY 25	0.198B ON MAY 1	23 700	1985
1986	---	12.1 ON MAY 29 *	0.085B ON MAY 1	23 000	1986
				24 800	MEAN

B - ICE CONDITIONS
E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MUSKEG CREEK NEAR WESTEROSE - STATION NO. 05PA912

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	---	---	---	1.55	0.079	0.120	0.113	---	---	---	1982
1983	---	---	---	0.648	0.154	0.112	0.350	0.059	0.055	0.056	---	---	0.204	1983
1984	---	---	---	0.158	0.161	0.300	0.032	0.031	0.244	0.104	---	---	0.145	1984
1985	---	---	---	---	0.191	0.077	0.051	0.057	0.110	0.093	---	---	---	1985
1986	---	---	---	0.212	0.806	0.065	1.57	0.282	0.115	0.253	---	---	0.489	1986
MEAN	---	---	---	0.339	0.353	0.139	0.733	0.098	0.129	0.124	---	---	0.280	MEAN

LOCATION - LAT 52 52 05 N
LONG 113 57 27 W
DRAINAGE AREA 97.6 km²
REGULATED
DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

MUSKEG CREEK NEAR WESTEROSE - STATION NO. 05PA912

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	15.7 E AT 22 51 MST ON JUL 4	13.4 ON JUL 5	---	---	1982
1983	2.17 AT 16 45 MST ON APR 2	1.80 ON APR 2	0.025 ON AUG 25	3 770	1983
1984	1.23 AT 02 24 MST ON JUN 10	1.05 ON JUN 10	0 ON APR 27 *	2 700	1984
1985	---	2.03A ON APR 4	---	---	1985
1986	28.8 AT 02 15 MST ON JUL 18 *	18.7 ON JUL 18 *	0.005 ON SEP 2	9 050	1986
				5 170	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MUSKEG RIVER NEAR FORT MACKAY - STATION NO. 07DA008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	0.648	0.490	0.404	16.6	20.7	9.67	12.8	5.86	2.86	3.35	1.40	0.837	6.32	1974
1975	0.387	0.348	0.387	2.86	5.12	7.42	14.4	6.73	18.6	12.0	3.19	0.739	6.10	1975
1976	0.552	0.447	0.436	7.72	2.59	0.440	0.804	1.05	3.43	5.14	1.74	0.708	2.07	1976
1977	0.249	0.348	0.335	4.95	3.65	3.38	4.72	1.90	2.00	4.04	1.83	0.494	2.32	1977
1978	0.311	0.253	0.255	3.18	8.18	4.94	1.21	3.36	21.9	15.4	5.72	1.18	5.82	1978
1979	0.596	0.483	0.468	3.18	21.4	7.98	2.78	2.93	5.07	4.29	2.31	0.534	4.36	1979
1980	0.376	0.214	0.336	2.76	0.771	0.657	0.739	4.85	15.5	9.23	3.35	0.855	3.28	1980
1981	0.432	0.324	0.439	1.75	4.35	1.80	4.22	0.668	0.170	0.473	0.376	0.204	1.30	1981
1982	0.177	0.140	0.180	4.14	12.6	3.30	0.883	0.535	0.746	0.787	0.625	0.241	2.04	1982
1983	0.253	0.236	0.208	2.10	3.17	1.89	1.03	1.26	0.378	0.572	0.500	0.150	0.970	1983
1984	0.049	0.082	0.217	0.855	0.822	7.56	5.31	5.05	9.11	10.3	4.46	0.510	3.85	1984
1985	0.229	0.210	0.230	5.75	29.0	5.30	1.44	0.425	1.11	2.88	1.43	0.381	4.06	1985
1986	0.265	0.288	0.586	4.47	15.1	9.42	13.1	5.56	1.34	1.84	1.04	0.555	4.48	1986
MEAN	0.348	0.295	0.345	4.63	8.94	4.92	4.86	3.18	6.33	5.70	2.13	0.498	3.62	MEAN

LOCATION - LAT 57 11 30 N
LONG 111 34 05 W
DRAINAGE AREA 1 480 km²
NATURAL FLOW

MUSKEG RIVER NEAR FORT MACKAY - STATION NO. 07DA008

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1974	43.0 AT 18 00 MST ON APR 28	42.3 ON APR 28	0.1708 ON APR 8	200 000	1974
1975	27.6 AT 21 00 MST ON JUL 22	27.4 ON JUL 22	0.3408 ON JAN 20	192 000	1975
1976	---	15.4 A ON APR 11	0.1428 ON DEC 17	85 500	1976
1977	16.7 B AT 07 44 MST ON APR 19	13.5 B ON APR 19	0.1708 ON JAN 1	73 000	1977
1978	32.3 AT 18 10 MST ON SEP 27	32.0 ON SEP 27	0.2278 ON MAR 1	187 000	1978
1979	30.4 AT 00 00 MST ON MAY 1	28.2 ON MAY 1	0.4408 ON DEC 29	138 000	1979
1980	18.8 AT 17 50 MST ON SEP 23	18.8 ON SEP 24	0.2008 ON FEB 5	104 000	1980
1981	7.68 AT 19 40 MST ON JUL 17	7.48 ON JUL 17	0.085 ON SEP 1	40 900	1981
1982	24.3 B AT 06 05 MST ON APR 28	14.3 ON MAY 12	0.1348 ON FEB 18	54 400	1982
1983	6.13 AT 00 33 MST ON APR 23	6.885 ON APR 22	0.0428 ON DEC 31	30 800	1983
1984	22.2 AT 12 00 MST ON OCT 25	21.0 ON OCT 24	0.0408 ON JAN 2 *	122 000	1984
1985	65.4 AT 12 34 MST ON MAY 9 *	65.1 ON MAY 9 *	0.2108 ON FEB 5	128 000	1985
1986	18.1 AT 21 52 MST ON MAY 18	18.0 ON MAY 17	0.2648 ON FEB 25	141 000	1986
				114 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MUSKEG RIVER NEAR GRANDE CACHE - STATION NO. 07GA002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	1.26	1.38	1.29	1.61	19.4	37.9	9.76	4.70	4.40	6.77	3.43	2.16	7.82	1972
1973	1.68	1.47	1.81	2.16	16.3	14.9	6.95	4.01	2.85	3.90	1.83	1.50	5.08	1973
1974	1.42	1.27	1.06	3.37	17.8	13.9	6.77	3.54	3.35	2.92	1.90	1.42	4.92	1974
1975	1.05	0.811	0.804	0.883	7.83	10.4	10.2	3.80	2.83	1.81	1.91	1.28	3.80	1975
1976	1.17	1.09	1.01	3.99	17.6	11.6	7.83	14.6	7.43	3.92	2.18	1.75	6.30	1976
1977	1.40	1.22	1.07	3.07	25.0	21.1	17.7	14.6	8.95	6.82	2.60	1.82	8.89	1977
1978	1.10	0.961	0.989	3.83	8.56	15.6	13.9	5.87	4.87	5.61	3.48	2.31	5.95	1978
1979	1.14	0.976	1.34	3.87	12.0	10.6	6.16	3.42	2.27	2.03	1.07	0.801	3.82	1979
1980	0.984	0.835	0.831	4.82	7.93	42.1	11.9	7.80	6.73	5.02	3.03	2.53	8.01	1980
1981	1.86	1.36	1.05	2.22	10.4	9.08	6.60	5.72	3.17	2.36	1.85	0.985	3.92	1981
1982	0.624	0.686	0.796	1.15	14.8	14.4	23.6	18.1	8.25	6.85	2.87	1.82	7.81	1982
1983	1.52	1.80	1.46	3.44	6.28	11.1	24.6	8.02	5.29	3.45	2.73	1.29	5.94	1983
1984	1.22	1.21	1.25	3.22	8.72	15.9	8.32	3.44	6.32	10.1	3.05	1.75	5.21	1984
1985	1.32	0.589	0.559	2.95	8.52	7.50	6.55	4.95	10.9	7.53	2.28	2.47	4.70	1985
1986	1.43	1.19	0.884	2.48	16.0	15.4	30.4	8.76	5.27	8.42	3.10	1.91	6.99	1986
MEAN	1.29	1.12	1.07	2.85	13.3	16.8	11.8	7.13	6.03	5.15	2.45	1.72	5.92	MEAN

LOCATION - LAT 53 55 32 N, LONG 118 48 52 W. DRAINAGE AREA 705 km². NATURAL FLOW

MUSKEG RIVER NEAR GRANDE CACHE - STATION NO. 07GA002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	286 AT 22 00 MST ON JUN 12 *	213 ON JUN 13 *	1.13 B ON APR 13	247 000	1972
1973	31.4 AT 19 30 MST ON JUN 24	27.5 ON MAY 18	1.36 B ON FEB 6	160 000	1973
1974	35.0 AT 04 10 MST ON MAY 8	23.5 ON MAY 8	0.985B ON MAR 20	155 000	1974
1975	27.5 AT 06 00 MST ON JUN 30	25.2 ON JUN 30	0.648B ON MAY 1	119 000	1975
1976	41.9 AT 04 00 MST ON AUG 17	40.2 ON AUG 17	0.957B ON MAR 2	198 000	1976
1977	68.4 AT 23 50 MST ON MAY 11	50.9B ON JUL 30	1.01 B ON MAR 19	261 000	1977
1978	53.5 AT 22 40 MST ON JUL 11	43.5B ON JUL 12	0.850B ON MAR 25	187 000	1978
1979	32.4 AT 07 00 MST ON MAY 27	27.8B ON MAY 27	0.740BB ON DEC 15	121 000	1979
1980	200 AT 21 25 MST ON JUN 4	181 ON JUN 4	0.700B ON MAR 5	353 000	1980
1981	21.8 AT 14 45 MST ON JUL 30	20.9 ON JUL 30	0.500B ON DEC 16	124 000	1981
1982	85.9 AT 11 55 MST ON JUL 15	57.5 ON JUL 15	0.520B ON JAN 9	246 000	1982
1983	87.9 AT 10 55 MST ON JUL 28	76.7 ON JUL 28	1.00 B ON DEC 25	187 000	1983
1984	32.4 AT 06 30 MST ON JUN 9	30.2 ON JUN 9	1.06 B ON JAN 18	185 000	1984
1985	22.4 AT 22 05 MST ON SEP 13	21.2 ON SEP 14	0.400B ON MAR 5 *	148 000	1985
1986	73.2 AT 16 29 MST ON JUL 18	57.2 ON JUL 18	0.723B ON MAR 25	220 000	1986
				187 000	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
B - REVISED SINCE JAN. 1 1986

NAMEPI CREEK NEAR THE MOUTH - STATION NO. 05EC004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	0.524	0.159	0.477	0.028	---	---	---	1975
1976	---	---	0.004	1.92	0.044	0.010	0.002	0.003	0.010	0.001	---	---	0.244	1976
1977	---	---	0.001	3.43	0.257	0.447	0.140	0.247	0.213	---	---	---	---	1977
1978	---	---	0.023	5.32	0.289	2.17	0.156	0.082	1.89	0.454	---	---	1.30	1978
1979	---	---	0.012	9.15	3.39	0.327	0.439	0.324	0.146	0.019	---	---	1.83	1979
1980	---	---	0.002	1.18	0.011	0.081	0.080	0.091	0.386	0.467	---	---	0.279	1980
1981	---	---	2.15	8.61	0.242	0.012	0.080	0.239	0.023	0.080	---	---	1.15	1981
1982	---	---	0	3.86	0.492	0.015	0.013	0.122	0.055	0.038	---	---	0.585	1982
1983	---	---	0.003	0.481	0.053	0.044	0.484	0.225	0.010	0.012	---	---	0.181	1983
1984	---	---	0.192	0.210	0.085	0.598	0.041	0.005	0.024	0.079	---	---	0.149	1984
1985	---	---	0.203	2.43	0.145	0.080	0.075	0.017	0.008	0.025	---	---	0.387	1985
1986	---	---	1.27	0.834	0.119	0.012	1.85	0.146	0.014	0.012	---	---	0.535	1986
MEAN	---	---	0.351	3.12	0.453	0.341	0.321	0.130	0.255	0.144	---	---	0.645	MEAN

LOCATION - LAT 54 01 50 N, LONG 112 51 35 W. DRAINAGE AREA 720 km². NATURAL FLOW

NAMEPI CREEK NEAR THE MOUTH - STATION NO. 05EC004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	0.943 AT 23 30 MST ON SEP 7	0.803 ON JUL 11	---	---	1975
1976	6.12 B AT 06 30 MST ON APR 9	4.25 B ON APR 9	0 ON JUL 11 *	5.190	1976
1977	11.3 B AT 22 30 MST ON APR 12	10.6 ON APR 13	---	---	1977
1978	---	11.0 B ON APR 9	0 B ON MAR 1	27.800	1978
1979	33.1 AT 02 10 MST ON APR 26	31.8 ON APR 26	0.001E ON OCT 7	35.700	1979
1980	---	4.48 B ON APR 12	0 B ON MAR 1	5.910	1980
1981	---	21.9 B ON APR 3	0 B ON MAR 12	26.400	1981
1982	20.0 AT 01 00 MST ON APR 23	18.1 B ON APR 22	0 B ON MAR 1	12.000	1982
1983	3.89 AT 13 40 MST ON JUL 27	2.76 ON JUL 26	0 ON JUN 3	2.530	1983
1984	1.91 AT 02 30 MST ON JUN 9	1.66 ON JUN 9	0.001 ON AUG 28	2.180	1984
1985	12.7 B AT 16 30 MST ON APR 2	10.6 B ON APR 2	0 ON AUG 7	7.930	1985
1986	42.1 AT 06 05 MST ON JUL 30 *	32.0 ON JUL 30 *	0.003B ON MAR 12	11.300	1986
				13.700	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

NANTON CREEK NEAR NANTON - STATION NO 05AC002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	---	---	---	---	---	0.232	0.211	---	---	---	
1909	---	---	---	---	1.14	0.562	0.458	0.112	0.094	0.071	---	---	---	1908
1910	---	---	---	0.089	0.082	0.005	0	0	0.041	0.005	---	---	---	1909
1911	---	---	---	0.016	0.076	0.077	0.050	0.274	0.262	0.228	---	---	---	1910
1912	---	---	---	---	0.092	---	---	---	0.383	0.223	---	---	---	1911
1913	---	---	---	---	---	---	---	---	---	0.117	---	---	---	1912
1914	---	---	---	---	0.587	0.018	0.018	---	0.001	0.116	---	---	---	1913
														1914
1915	---	---	---	0.071	0.574	1.87	1.92	0.848	0.464	0.357	---	---	---	1915
1916	---	---	---	---	0.573	1.78	0.536	0.784	1.15	0.798	---	---	---	1916
1917	---	---	---	---	1.17	2.32	0.624	0.489	0.224	0.159	---	---	---	1917
1918	---	---	---	0.095	0.066	0.039	0.009	0.010	0.007	0.006	---	---	---	1918
1919	---	---	0.011	0.085	0.031	0.002	0	0	0	0.001	---	---	---	1919
MEAN	---	---	0.011	0.084	0.392	0.719	0.414	0.316	0.284	0.200	---	---	---	MEAN

LOCATION - LAT 50 21 35 N DRAINAGE AREA 120 km²
LONG 113 49 34 W REGULATED

NANTON CREEK NEAR NANTON - STATION NO 05AL002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1908	---	---	---	---	
1909	---	3.60 ON MAY 24	---	---	1908
1910	---	---	---	---	1909
1911	---	0.311 ON SEP 7	0 ON JUN 13 *	---	1910
1912	---	0.920 ON AUG 6	---	---	1911
1913	---	---	---	---	1912
1914	---	---	---	---	1913
		0.821 ON APR 5	0 ON JUL 16	---	1914
1915	---	5.92 ON JUN 26 *	---	---	
1916	---	5.44 ON AUG 18	---	---	1915
1917	---	6.67 ON JUN 11	---	---	1916
1918	---	0.2558 ON APR 5	---	---	1917
1919	---	0.204 ON APR 5	---	---	1918
			OR ON MAR 1	---	1919
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

NATURAL FLOW A NEAR FOLLOCKVILLE - STATION NO 05CH005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	0	0.007	0	0	0	0	---	---	0.001	
1974	---	---	---	---	---	0	---	---	---	0	---	---	---	1973
1975	---	---	---	---	---	0	0	0	0	0	---	---	---	1974
1976	---	---	---	---	0	0	0	0	0	0	---	---	---	1975
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1976
1978	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1979	---	---	0.005	0	0	0	0	0	0	0	---	---	0	1978
														1979
1980	---	---	---	---	0	0	0	0	0	0	---	---	0	1980
MEAN	---	---	0.002	0	0	0.001	0	0	0	0	---	---	0	MEAN

LOCATION - LAT 51 08 55 N DRAINAGE AREA 3 50 km²
LONG 111 47 50 W NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1977 AND 1979

NATURAL FLOW A NEAR FOLLOCKVILLE - STATION NO 05CH005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1973	0.552 AT 19 40 MST ON JUN 15 *	0.133 ON JUN 15 *	0E ON MAY 1 *	19	
1974	---	---	0 ON MAY 26	---	1973
1975	0.059 AT 05 30 MST ON MAY 20	0.031 ON MAY 20	0 ON MAY 16	---	1974
1976	---	0 ON MAY 1	0 ON MAY 1	0	1975
1977	---	0 ON MAY 1	0 ON MAY 1	0	1976
1978	0.045 AT 03 50 MST ON SEP 8	0.005 ON SEP 8	0 ON MAY 1	1.36	1977
1979	---	0.002 ON MAY 1	0E ON MAY 1	1.29	1978
					1979
1980	---	0 E ON MAY 1	0E ON MAY 1	0	1980
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		3.52	MEAN

NATURAL FLOW B NEAR PRINCESS - STATION NO 05CJ011

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	0	0 001	0	0	0	0	---	---	---	1973
1974	---	---	---	---	0	0	0	0	0	0	---	---	---	1974
1975	---	---	---	---	---	0	0	0	0	0	---	---	---	1975
1976	---	---	---	0	0	0	0	0	0	---	---	---	---	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0 013	0	0	0	0	0	0	0	---	---	0 002	1978
1979	---	---	0 018	0	0	0	0	0	0	0	---	---	0 002	1979
1980	---	---	---	---	0	0	0	0	0	0	---	---	---	1980
1981	---	---	---	0	0	0	0	0	0	0	---	---	---	1981
1982	---	---	---	0	0	0	0	0	0	0	---	---	---	1982
1983	---	---	0	0	0	0	0	0 001	0	0	---	---	0	1983
1984	---	---	0 001	0	0	0	0	0	0	0	---	---	0	1984
MEAN	---	---	0 006	0	0	0	0	0	0	0	---	---	0 001	MEAN

LOCATION - LAT 50 28 20 N DRAINAGE AREA 1 89 km²
LONG 111 30 20 W NATURAL FLOW

NATURAL FLOW B NEAR PRINCESS - STATION NO 05CJ011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MINIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1973	0 005 AT 20 00 MST ON JUN 15	0 019 ON JUN 15	0E ON MAY 1 *	---	1973
1974	---	0 003 ON AUG 13	0E ON MAY 1	---	1974
1975	0 000 AT 13 30 MST ON MAY 24	0 187 ON MAY 24	0 ON MAY 14	---	1975
1976	0 007 AT 17 30 MST ON MAR 18 *	0 447 ON MAR 18 *	0 ON MAR 30	---	1976
1977	0 001 AT 07 00 MST ON APR 5	0 001 ON APR 3	0 ON MAR 1	0 26	1977
1978	---	0 1508 ON MAR 25	0E ON MAR 1	35 3	1978
1979	---	0 1018 ON MAR 10	0E ON MAR 1	37 4	1979
1980	---	0 A ON APR 22	0A ON APR 22	---	1980
1981	---	---	0A ON MAR 30	---	1981
1982	0 001 AT 10 00 MST ON APR 9	0 E ON APR 1	0E ON APR 1	---	1982
1983	---	0 018A ON AUG 12	0A ON MAR 1	2 77	1983
1984	0 0588 AT 13 30 MST ON MAR 19	0 0288 ON MAR 19	0E ON MAR 1	3 02	1984
				16 0	MEAN

A - MANUAL GAUGE
(SEE REFERENCE (N05a))
E - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

NATURAL FLOW C NEAR BOW CITY - STATION NO 05BN024

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	0	0 002	0	0	0	0	---	---	0	1973
1974	---	---	---	0 004	0	0	0	0	0	0	---	---	0	1974
1975	---	---	---	---	0 005	0	0	0	0	0	---	---	0 001	1975
1976	---	---	---	---	0	0	0	0	0	0	---	---	0	1976
1977	---	---	---	---	0	0	0	0	0	0	---	---	0	1977
1978	---	---	---	---	0	0	0	0 004	0 001	0	---	---	0 001	1978
1979	---	---	---	---	0	0	0	0	0	0	---	---	0	1979
1980	---	---	---	---	0	0	0	0	0	0	---	---	0	1980
1981	---	---	---	---	0 001	0	0	0	0	0	---	---	0	1981
1982	---	---	---	---	0	0	0	0	0	0	---	---	0	1982
1983	---	---	---	---	0	0	0	0	0	0	---	---	0	1983
1984	---	---	---	---	0	0	0	0	0	0	---	---	0	1984
MEAN	---	---	---	0 004	0 001	0	0	0	0	0	---	---	0	MEAN

LOCATION - LAT 50 22 40 N DRAINAGE AREA 3 24 km²
LONG 112 14 40 W NATURAL FLOW

NATURAL FLOW C NEAR BOW CITY - STATION NO 05BN024

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MINIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1973	---	0 040 ON JUN 15	0 ON MAY 1 *	6 13	1973
1974	---	0 001 ON AUG 13	0 ON MAY 1	0 35	1974
1975	0 112 AT 18 10 MST ON MAY 6	0 082 ON MAY 6	0 ON MAY 1	13 5	1975
1976	0 001 AT 17 00 MST ON AUG 4	0 ON MAY 1	0 ON MAY 1	0	1976
1977	---	0 ON MAY 1	0 ON MAY 1	0	1977
1978	0 221 AT 08 00 MST ON AUG 23 *	0 110 ON AUG 23 *	0 ON MAY 1	12 2	1978
1979	---	0 ON MAY 1	0 ON MAY 1	0	1979
1980	---	0 ON MAY 1	0 ON MAY 1	0	1980
1981	0 035 AT 16 05 MST ON MAY 16	0 010 ON MAY 16	0 ON MAY 1	1 81	1981
1982	---	0 ON MAY 1	0 ON MAY 1	0	1982
1983	---	0 ON MAY 1	0 ON MAY 1	0	1983
1984	---	0 ON MAY 1	0 ON MAY 1	0	1984
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 83	MEAN

NATURAL FLOW D NEAR CHIN - STATION NO 05AG024

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT*	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	0	0	0	0	0	---	---	---	---	1973
MEAN	---	---	---	---	0	0	0	0	0	---	---	---	---	MEAN

LOCATION - LAT 49 51 10 N
LONG 112 26 40 W NATURAL FLOW

NATURAL FLOW D NEAR CHIN - STATION NO 05AG024

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	---	0 ON APR 12 *	---	1973
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

NEW WEST COULEE NEAR THE MOUTH - STATION NO 05BN005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1957	---	---	---	---	0 038	0 494	0 868	0 336	0 084	0 319	---	---	---	1957
1958	---	---	---	---	0 085	0 831	0 713	0 196	0 254	0 337	---	---	---	1958
1959	---	---	---	---	0 001	0 667	0 734	0 471	0 271	0 208	---	---	---	1959
1960	---	---	---	---	0 008	0 727	1 25	0 447	0 171	0 348	---	---	---	1960
1961	---	---	---	---	0 221	1 16	1 08	0 387	0 492	0 523	---	---	---	1961
1962	---	---	---	---	0 217	0 939	1 37	0 614	0 341	0 315	---	---	---	1962
1963	---	---	---	---	0 529	1 20	0 887	0 554	0 436	0 854	---	---	---	1963
1964	---	---	---	---	0 040	1 18	1 91	1 06	0 431	0 446	---	---	---	1964
1965	---	---	---	---	0 008	0 589	0 430	0 936	0 322	0 272	---	---	---	1965
1966	---	---	---	---	0 032	0 858	1 28	0 587	0 338	0 894	---	---	---	1966
1967	---	---	---	---	0 021	0 784	1 80	1 39	0 974	1 07	---	---	---	1967
1968	---	---	---	---	0 830	1 82	2 57	1 41	1 23	0 945	---	---	---	1968
1969	---	---	---	---	0 559	2 22	1 67	1 50	1 40	1 34	---	---	---	1969
1970	---	---	---	---	0 801	1 88	1 82	1 57	1 33	1 24	---	---	---	1970
1971	---	---	---	---	0 589	1 69	2 91	1 91	1 56	1 25	---	---	---	1971
1972	---	---	---	---	0 595	1 88	2 99	1 84	1 21	1 05	---	---	---	1972
1973	---	---	---	---	1 18	2 34	3 14	1 91	1 32	1 21	---	---	---	1973
1974	---	---	---	---	0 431	2 07	3 15	2 46	1 52	1 52	0 256	---	---	1974
1975	---	---	---	---	0 189	0 706	3 42	3 45	3 05	2 55	---	---	---	1975
1976	---	---	---	---	1 36	3 38	3 56	2 93	2 40	2 77	---	---	---	1976
1977	---	---	---	---	1 19	2 46	3 88	3 19	2 28	1 21	---	---	---	1977
1978	---	---	---	---	1 37	0 390	2 87	3 11	1 83	1 89	---	---	---	1978
1979	---	---	---	---	0 011	2 01	3 80	2 56	1 95	1 85	---	---	---	1979
1980	---	---	---	---	1 41	2 50	3 82	2 68	3 10	2 58	---	---	---	1980
1981	---	---	---	---	0 444	2 58	4 18	3 76	3 71	2 87	---	---	---	1981
1982	---	---	---	---	1 09	2 32	3 88	4 17	3 31	2 08	---	---	---	1982
1983	---	---	0 005	0 029	0 346	4 28	4 28	3 90	3 18	2 15	0 081	---	2 27	1983
1984	---	---	0 015	0 151	0 946	3 78	4 20	3 28	2 02	0 944	---	---	1 86	1984
1985	---	---	0 204	0 093	0 583	3 62	3 56	2 32	0 947	1 31	---	---	1 54	1985
1986	---	---	0 008	0 001	0 314	3 17	4 15	3 54	1 91	0 601	---	---	1 85	1986
MEAN	---	---	0 059	0 089	0 503	1 81	2 53	1 84	1 42	1 30	0 159	---	1 83	MEAN

LOCATION - LAT 50 13 00 N DRAINAGE AREA 312 km^2
LONG 112 08 15 W REGULATED

NEW WEST COULEE NEAR THE MOUTH - STATION NO 05AH006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1957	---	1.62 ON JUL 22	0 E ON MAY 1 *	---	1957
1958	---	1.56 ON JUN 16	0 E ON MAY 1	---	1958
1959	---	2.75 ON JUN 27	0 ON APR 30	---	1959
1960	---	1.93 ON JUL 4	0 ON MAY 6	---	1960
1961	---	2.12 ON JUN 20	0 ON APR 25	---	1961
1962	---	2.48 ON JUL 14	0 E ON MAY 1	---	1962
1963	---	6.79 ON JUN 22	0 ON APR 25	---	1963
1964	---	2.88 ON JUL 3	0 ON MAY 10	---	1964
1965	---	3.26 ON AUG 5	0 ON MAY 6	---	1965
1966	---	7.16 ON JUL 15 *	0 ON MAY 6	---	1966
1967	---	4.42 ON JUN 17	0 ON MAY 27	---	1967
1968	---	4.02 ON JUN 30	---	---	1968
1969	---	3.14 ON JUN 23	---	---	1969
1970	---	5.94 ON JUN 13	---	---	1970
1971	---	4.67 ON JUL 10	---	---	1971
1972	---	3.80 ON JUL 14	---	---	1972
1973	---	5.12 ON JUN 15	---	---	1973
1974	---	4.13E ON JUL 6	---	---	1974
1975	---	5.28 ON JUL 30	---	---	1975
1976	---	5.24 ON JUL 1	---	---	1976
1977	---	4.59 ON JUL 11	0 ON APR 26	---	1977
1978	---	5.97 ON AUG 23	---	---	1978
1979	---	4.01 ON JUL 30	0 A ON MAY 29	---	1979
1980	---	5.73 ON JUL 20	---	---	1980
1981	---	5.30 ON JUN 14	---	---	1981
1982	---	5.03 ON AUG 11	---	---	1982
1983	---	6.85 ON JUL 7	0 E ON APR 30	48 100	1983
1984	---	8.37 ON JUL 30	0.0018 ON MAR 13	38 400	1984
1985	---	6.46 ON JUL 17	0 ON MAY 18	32 700	1985
1986	---	5.37 ON JUN 30	0 ON MAR 27	34 900	1986
				38 890	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
E - ESTIMATED
I - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

NEW WEST IRRIGATION DISTRICT CANAL NEAR VAUXHALL - STATION NO 05AG002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1924	---	---	---	---	0.081	0.388	0.706	0.323	0.251	0.891	---	---	0.443	1924
1925	---	---	---	---	0.023	0.740	1.38	0.402	0.169	0.065	---	---	0.453	1925
1927	---	---	---	---	0	0.009	0.243	0.265	0.196	0.078	---	---	0.130	1927
1928	---	---	---	---	0.372	0.876	0.088	0.218	0.228	0.084	---	---	0.308	1928
1929	---	---	---	---	0.111	0.932	1.26	0.369	0.450	0.517	---	---	0.813	1929
1930	---	---	---	---	0.144	1.15	0.697	0.365	0.291	0.178	---	---	0.486	1930
MEAN	---	---	---	---	0.107	0.709	0.729	0.302	0.264	0.309	---	---	0.403	MEAN

LOCATION - LAT 50 08 03 N
LONG 112 11 11 W
REGULATED

DATA CONTRIBUTED BY -
CANADA LAND AND IRRIGATION COMPANY

NEW WEST IRRIGATION DISTRICT CANAL NEAR VAUXHALL - STATION NO 05AG002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1924	---	1.47 ON OCT 24	0 ON MAY 1 *	7 040	1924
1925	---	1.84 ON JUL 7 *	0 ON MAY 1	7 200	1925
1927	---	0.399 ON JUL 18	0 ON MAY 1	2 070	1927
1928	---	1.99 ON JUN 5	0 ON MAY 1	4 890	1928
1929	---	1.81 ON JUN 21	0 ON MAY 1	9 750	1929
1930	---	1.50 ON JUN 15	0 ON MAY 1	7 420	1930
				6 400	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

NINE MILE COULEE NEAR LETHBRIDGE - STATION NO 05AE042

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	---	0.001	0.212	0.284	0.455	0.458	0.285	0.083	---	---	0.352	1984
1985	---	---	---	0.005	0.068	0.231	0.237	0.100	0.154	0.116	---	---	0.130	1985
1986	---	---	---	0.004	0.023	0.191	0.250	0.169	0.145	0.208	---	---	0.142	1986
MEAN	---	---	---	0.003	0.101	0.235	0.314	0.242	0.190	0.136	---	---	0.175	MEAN

LOCATION - LAT 49 33 19 N
LONG 112 47 06 W
REGULATED

NINE MILE COULEE NEAR LETHBRIDGE - STATION NO 05AB042

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	---	0 745 ON JUL 30	0 ON APR 11 *	4 570	1984
1985	---	0 887 ON SEP 13 *	0 ON MAY 6	2 410	1985
1986	---	0 812 ON JUL 17	0 ON APR 30	2 630	1986
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		3 240	MEAN

NOLAN COULEE NEAR COALDALE - STATION NO 05AD034

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1987	---	---	---	---	0 002	0	0	0	0	0	---	---	---	1987
1988	---	---	---	---	---	0 001	0 005	---	---	---	---	---	---	1988
MEAN	---	---	---	---	0 002	0 001	0 003	0	0	0	---	---	---	MEAN

LOCATION - LAT 49 51 10 N LONG 112 35 10 W
DRAINAGE AREA 117 km^2
REGULATED

NOLAN COULEE NEAR COALDALE - STATION NO 05AD034

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1987	---	---	0 ON MAY 1 *	---	1987
1988	---	---	0 ON JUN 1	---	1988
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

NORDEGG RIVER AT SUNCHILD ROAD - STATION NO 05DD008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	---	---	---	---	---	---	---	3 06	1 22	0 848	---	1971
1972	0 611	0 823	0 868	2 33	6 22	32 9	12 8	8 02	6 36	4 24	3 71	1 06	6 32	1972
1973	0 377	0 326	0 330	6 73	20 5	8 96	7 61	4 40	3 08	2 90	1 26	1 33	4 99	1973
1974	1 08	0 945	0 867	7 38	20 3	7 93	6 95	3 76	3 73	3 62	1 60	1 19	4 83	1974
1975	0 982	0 786	0 807	3 31	7 47	3 73	4 08	1 77	1 41	0 990	0 881	0 831	2 26	1975
1976	0 741	0 672	0 510	3 50	4 59	4 39	2 84	6 49	2 36	1 39	0 837	1 06	2 42	1976
1977	0 926	1 00	0 914	1 39	34 5	11 4	5 48	4 77	3 46	3 36	2 39	1 64	5 85	1977
1978	1 38	1 28	1 47	4 78	12 0	17 2	17 6	5 91	7 93	4 38	3 40	1 78	8 58	1978
1979	1 25	0 873	1 43	1 71	7 73	4 86	3 46	1 93	1 17	1 36	0 823	0 882	2 23	1979
1980	0 845	0 909	0 877	4 30	8 78	38 4	14 2	7 97	7 55	4 04	2 18	1 74	7 38	1980
1981	1 38	1 13	1 45	2 18	15 0	8 36	33 6	11 3	4 33	3 61	2 84	1 10	6 35	1981
1982	0 954	1 03	1 19	1 46	7 35	7 75	37 3	6 87	4 66	5 88	2 30	1 47	5 78	1982
1983	1 19	1 40	1 33	5 43	7 03	8 89	4 09	2 83	1 93	2 06	1 09	0 856	3 32	1983
1984	0 888	1 12	1 01	3 72	6 43	9 96	2 83	1 98	4 65	4 69	1 79	1 16	3 10	1984
1985	0 874	0 978	0 839	3 03	4 95	5 16	2 17	5 22	11 7	5 93	3 44	2 02	3 74	1985
1986	1 34	1 28	1 74	4 13	13 0	7 19	80 7	9 81	12 3	14 8	5 03	2 48	10 4	1986
MEAN	0 981	0 955	1 04	3 76	10 9	11 5	12 4	5 44	5 44	4 30	2 06	1 30	5 04	MEAN

LOCATION - LAT 52 49 13 N LONG 115 31 10 W
DRAINAGE AREA 876 km^2
NATURAL FLOW

NORDEGG RIVER AT SUNCHILD ROAD - STATION NO 05DD008

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	---	---	---	---	1971
1972	326 AT 20 00 MST ON JUN 25	231 ON JUN 25	0 3888 ON DEC 29	200 000	1972
1973	31 1 AT 00 30 MST ON JUL 2	28 2 ON MAY 26	0 3008 ON FEB 26 *	157 000	1973
1974	38 1 AT 14 30 MST ON MAY 17	37 4 ON MAY 17	0 8008 ON JAN 29	152 000	1974
1975	20 5 AT 01 30 MST ON MAY 5	19 3 ON MAY 5	0 3948 ON NOV 25	71 200	1975
1976	19 8 AT 20 30 MST ON AUG 17	18 3 ON AUG 17	0 5108 ON FEB 17	76 500	1976
1977	96 6 AT 24 50 MST ON MAY 28	82 7 ON MAY 30	0 8508 ON MAR 21	148 000	1977
1978	80 4 AT 08 40 MST ON JUL 12	69 9 ON JUL 12	1 20 8 ON JAN 28	207 000	1978
1979	19 8 AT 13 00 MST ON MAY 19	18 4 ON MAY 19	0 7508 ON FEB 28	70 300	1979
1980	235 AT 15 00 MST ON JUN 5	206 ON JUN 5	0 4888 ON MAR 11	234 000	1980
1981	105 AT 22 30 MST ON JUL 24	85 5 ON JUL 24	0 7808 ON DEC 18	200 000	1981
1982	145 AT 10 08 MST ON JUL 5	133 ON JUL 5	0 7008 ON APR 2	142 000	1982
1983	18 4 AT 14 03 MST ON JUN 25	17 4 ON JUN 25	0 4838 ON DEC 31	105 000	1983
1984	37 1 AT 06 26 MST ON JUN 10	33 7 ON JUN 10	0 4778 ON JAN 2	87 800	1984
1985	81 8 AT 20 10 MST ON SEP 13	43 7 ON SEP 14	0 5008 ON FEB 4	118 000	1985
1986	820 ON JUL 18 *	486 E ON JUL 18 *	1 20 8 ON FEB 20	327 000	1986
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		159 000	MEAN

NORTH ANDERSON CREEK NEAR HINTON - STATION NO 07AF009

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	0.130	0.053	0.119	0.230	---	---	---	1972
1973	---	---	---	---	0.531	0.182	0.069	0.070	0.035	---	---	---	---	1973
1974	---	---	---	---	0.469	0.086	0.071	0.045	---	---	---	---	---	1974
MEAN	---	---	---	---	0.500	0.134	0.090	0.056	0.077	0.230	---	---	---	MEAN

LOCATION - LAT 53 19 00 N DRAINAGE AREA 10.6 km²
LONG 117 24 00 W NATURAL FLOW

NORTH ANDERSON CREEK NEAR HINTON - STATION NO 07AF009

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1972	---	---	---	---	1972
1973	1.45 AT 23 30 MST ON MAY 27 *	1.16 ON MAY 28 *	---	---	1973
1974	0.779 AT 01 30 MST ON MAY 8	0.705 ON MAY 8	---	---	1974
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

NORTH BRANCH OF MILK RIVER NEAR MACKIE'S RANCH - STATION NO 11AA003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	1.82	1.27	1.56	---	---	---	1909
1910	---	---	---	1.53	1.53	0.823	0.515	0.572	0.879	0.822	---	---	---	1910
MEAN	---	---	---	1.53	1.53	0.823	0.515	1.20	1.07	1.19	---	---	---	MEAN

LOCATION - LAT 49 08 00 N DRAINAGE AREA 1 110 km² INTERNATIONAL GAUGING STATION
LONG 112 24 00 W NATURAL FLOW

NORTH BRANCH OF MILK RIVER NEAR MACKIE'S RANCH - STATION NO 11AA003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1909	---	---	---	---	1909
1910	---	2.33E ON JUN 9 *	---	---	1910
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

NORTH FORK MILK RIVER ABOVE ST MARY CANAL - STATION NO 11AA032

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	1.24	1.00	0.828	0.530	2.46	0.934	---	---	---	1911
1912	---	---	---	2.32	1.17	0.704	---	---	---	---	---	---	---	1912
1913	---	---	---	---	0.588	0.333	0.222	0.217	0.190	---	---	---	---	1913
1920	---	---	---	---	---	0.803	0.436	0.327	---	---	---	---	---	1920
1921	---	---	---	---	---	0.398	0.307	0.297	---	---	---	---	---	1921
1922	---	---	---	---	1.06	0.461	0.331	0.275	0.251	---	---	---	---	1922
1923	---	---	---	---	0.695	0.589	0.357	0.297	0.280	---	---	---	---	1923
1924	---	---	---	---	0.557	0.743	0.304	0.340	0.324	---	---	---	---	1924
1925	---	---	---	---	0.986	0.583	0.335	0.404	0.463	---	---	---	---	1925
1926	---	---	---	0.756	0.360	0.356	0.287	0.292	0.462	---	---	---	---	1926
1927	---	---	---	---	2.30	2.88	1.46	1.28	1.69	---	---	---	---	1927
1928	---	---	---	---	1.38	1.28	1.40	1.16	1.01	---	---	---	---	1928
1929	---	---	---	---	1.48	1.18	0.720	0.565	0.624	0.689	---	---	---	1929
1930	---	---	---	1.95	1.05	0.689	0.434	0.419	0.480	---	---	---	---	1930
1931	---	---	---	0.521	0.415	0.340	0.318	0.301	0.321	0.359	---	---	---	1931
1932	---	---	---	---	0.890	0.489	0.273	0.289	0.281	---	---	---	---	1932
1933	---	---	---	---	1.00	0.555	0.219	0.189	0.241	0.297	---	---	---	1933
1934	---	---	---	---	0.345	0.388	0.222	0.188	0.304	---	---	---	---	1934
1935	---	---	---	---	0.591	0.362	0.246	0.191	0.221	---	---	---	---	1935
1936	---	---	---	---	0.418	0.258	0.125	0.162	0.198	0.216	---	---	---	1936
1937	---	---	---	---	0.884	0.977	0.243	0.198	0.285	0.319	---	---	---	1937
1938	---	---	---	---	0.573	0.315	0.275	0.200	0.197	---	---	---	---	1938
1939	---	---	---	0.400	0.276	0.289	0.119	0.108	0.158	0.189	0.206	---	---	1939
1940	---	---	---	---	0.339	0.202	0.145	0.093	0.110	0.140	---	---	---	1940
1941	---	---	---	---	0.202	0.236	0.147	0.115	0.184	0.171	---	---	---	1941
1942	---	---	0.487	2.07	0.558	0.682	0.330	0.335	0.331	0.336	---	---	0.636	1942
1943	---	---	---	1.29	0.982	1.07	0.587	0.515	0.534	0.562	---	---	---	1943
1944	---	---	---	0.723	0.462	0.437	0.283	0.303	0.282	0.321	---	---	---	1944
1945	---	---	---	0.690	0.437	0.558	0.267	0.212	0.288	0.291	---	---	---	1945
1946	---	---	---	0.397	0.377	0.291	0.219	0.186	0.222	0.342	---	---	---	1946
1947	---	---	---	1.26	1.07	0.639	0.338	0.384	0.457	---	---	---	---	1947
1948	---	---	---	4.72	1.71	3.94	1.79	1.11	0.942	---	---	---	---	1948
1949	---	---	---	---	1.14	0.763	0.516	0.443	0.459	---	---	---	---	1949
1950	---	---	---	2.57	1.61	1.01	0.625	0.437	0.405	0.481	---	---	---	1950
1951	---	---	---	---	1.87	2.80	2.50	1.86	1.74	---	---	---	---	1951
1952	---	---	---	---	1.42	1.04	0.818	0.772	0.727	0.724	---	---	---	1952
1953	---	---	---	---	1.59	3.78	1.60	1.20	1.14	1.08	---	---	---	1953
1954	---	---	---	---	2.17	1.15	0.805	0.813	0.885	---	---	---	---	1954
1955	---	---	---	---	---	1.34	1.03	0.757	0.799	---	---	---	---	1955
1956	---	---	---	1.08	1.11	0.731	0.788	0.631	0.516	0.559	---	---	---	1956
1957	---	---	---	1.10	1.10	0.616	0.376	0.370	0.451	---	---	---	---	1957
1958	---	---	---	2.13	0.728	0.636	0.567	0.436	0.470	---	---	---	---	1958
1959	---	---	---	1.56	1.50	0.848	0.481	0.384	0.459	---	---	---	---	1959
1960	---	---	---	0.966	0.939	0.508	0.383	0.404	0.383	---	---	---	---	196
1961	---	---	---	0.511	0.685	0.337	0.327	0.293	0.410	0.385	---	---	---	1961
1962	---	---	---	1.06	0.562	0.374	0.277	0.229	0.293	---	---	---	---	1962
1963	---	---	---	0.401	0.341	0.380	0.270	0.198	0.201	---	---	---	---	1963
1964	---	---	---	0.827	1.27	1.36	0.685	0.583	0.697	---	---	---	---	1964
1965	---	---	---	3.15	1.18	1.18	0.771	0.593	0.783	0.584	---	---	---	1965
1966	---	---	---	0.959	0.828	1.48	1.00	0.837	0.781	0.897	---	---	---	1966
1967	---	---	---	1.47	4.84	1.54	0.917	0.774	0.787	0.786	---	---	---	1967
1968	---	---	---	0.910	1.37	1.11	0.881	0.557	0.881	0.893	---	---	---	1968
1969	---	---	---	---	1.00	1.20	0.838	0.618	0.578	0.685	---	---	---	1969
1970	---	---	---	1.16	1.50	0.859	0.537	0.459	0.501	0.593	---	---	---	1970
1971	---	---	---	1.37	0.935	0.802	0.409	0.359	0.387	0.414	---	---	---	1971
1972	---	---	---	1.18	1.51	0.787	0.552	0.418	0.463	0.433	---	---	---	1972
1973	---	---	---	0.684	0.524	0.384	0.314	0.291	0.297	0.310	---	---	---	1973
1974	---	---	---	1.13	1.02	0.582	0.363	0.402	0.360	0.323	---	---	---	1974
1975	---	---	---	1.13	3.19	2.21	1.25	0.996	0.695	0.812	---	---	---	1975
1976	---	---	---	1.07	1.01	0.777	0.567	0.534	0.418	0.470	---	---	---	1976
1977	---	---	---	0.822	0.433	0.324	0.285	0.370	0.358	0.371	---	---	---	1977
1978	---	---	---	0.887	0.745	0.482	0.408	0.330	0.507	0.427	---	---	---	1978
1979	---	---	---	1.82	1.82	0.827	0.482	0.483	0.443	0.478	---	---	---	1979
1980	---	---	0.526	1.05	0.850	0.575	0.445	0.472	0.443	0.506	---	---	0.625	1980
1981	---	---	0.547	0.857	1.15	0.951	0.727	0.507	0.603	0.891	---	---	0.742	1981
1982	---	---	---	---	---	0.885	0.592	0.435	0.384	0.381	0.415	---	---	1982
1983	---	---	0.440	0.429	0.395	0.290	0.275	0.221	0.261	0.260	---	---	0.322	1983
1984	---	---	0.341	0.395	0.314	0.256	0.184	0.184	0.204	0.232	---	---	0.266	1984
1985	---	---	0.412	0.454	0.387	0.240	0.118	0.184	0.289	0.305	---	---	0.295	1985
1986	---	---	0.501	0.457	0.489	0.285	0.184	0.171	0.279	0.290	---	---	0.327	1986
MEAN	---	---	0.465	1.19	1.02	0.848	0.537	0.455	0.519	0.481	0.206	---	0.458	MEAN

LOCATION - LAT 48 58 15 N DRAINAGE AREA 156 km² INTERNATIONAL GAUGING STATION
LONG 113 03 19 W NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STATDARD PERIOD IN 1912, 1962 AND 1986

NORTH FORK MILK RIVER ABOVE ST MARY CANAL · STATION NO 11AA032

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	---	---	1911
1912	8 67 ON MAR 28	5 83 ON SEP 5 5 52 ON APR 1	---	---	1912
1919	---	---	---	---	1919
1920	---	---	---	---	1920
1921	---	---	---	---	1921
1922	---	---	---	---	1922
1923	3 37 AT 23 30 MST ON JUN 21	1 81 ON JUN 22	---	---	1923
1924	4 76 AT 15 00 MST ON JUN 7	3 28 ON JUN 7	---	---	1924
1925	---	---	---	---	1925
1926	4 53E ON APR 10	1 70 E ON MAY 1	---	---	1926
1927	18 7 AT 14 00 MST ON MAY 25	1 13 E ON APR 1 12 9 ON MAY 25	---	---	1927
1928	---	---	---	---	1928
1929	4 02 AT 01 00 MST ON JUN 2	2 69 ON JUN 2	---	---	1929
1930	---	---	---	---	1930
1931	---	0 677A ON APR 7	---	---	1931
1932	---	---	---	---	1932
1933	---	---	---	---	1933
1934	2 92 AT 02 45 MST ON JUN 7	2 31 ON JUN 7	---	---	1934
1935	---	---	---	---	1935
1936	---	---	---	---	1936
1937	18 7 AT 22 30 MST ON JUN 12	7 38 ON JUN 13	---	---	1937
1938	---	---	---	---	1938
1939	---	0 883 ON JUN 15	---	---	1939
1940	---	---	---	---	1940
1941	---	---	---	---	1941
1942	15 0 AT 22 10 MST ON APR 7	8 55 ON APR 5	---	---	1942
1943	---	2 41 ON JUN 9	---	13 500	1943
1944	---	2 52 B ON APR 1	---	---	1944
1945	8 88 AT 05 00 MST ON APR 21	3 23 ON APR 21	---	---	1945
1946	---	0 585E ON OCT 29	---	---	1946
1947	---	2 12 ON APR 28	---	---	1947
1948	42 5 E ON JUN 17	28 9 E ON JUN 17	---	---	1948
1949	3 60 AT 00 30 MST ON MAY 20	2 41 ON MAY 20	---	---	1949
1950	15 6 E ON APR 17	3 26 E ON APR 1	---	---	1950
1951	42 2 AT 08 00 MST ON JUN 24	27 4 ON JUN 24	---	---	1951
1952	---	---	---	---	1952
1953	60 0 AT 22 00 MST ON APR 22	37 4 ON APR 22 *	---	---	1953
1954	11 0 AT 05 00 MST ON APR 17	7 31 ON APR 17	---	---	1954
1955	39 6 ON MAY 18	---	---	---	1955
1956	6 88 AT 18 00 MST ON JUL 3	3 77 ON JUL 3	---	---	1956
1957	---	2 27 ON MAY 4	---	---	1957
1958	25 9 AT 03 00 MST ON APR 14	10 4 ON APR 13	---	---	1958
1959	---	2 89 ON MAY 19	---	---	1959
1960	---	1 67 ON APR 5	---	---	1960
1961	---	1 95 ON MAY 10	---	---	1961
1962	---	3 88 B ON MAR 27	---	---	1962
1963	---	1 12 ON JUN 22	---	---	1963
1964	16 5 AT 19 00 MST ON JUN 8	11 1 ON JUN 8	---	---	1964
1965	---	7 14 B ON APR 6	---	---	1965
1966	15 0 AT 21 00 MST ON JUN 4	7 82 ON JUN 4	---	---	1966
1967	87 5 AT 19 00 MST ON MAY 8 *	34 6 ON MAY 8	---	---	1967
1968	6 51 AT 20 15 MDT ON JUN 7	2 78 ON JUN 7	---	---	1968
1969	---	---	---	---	1969
1970	8 33 AT 05 00 MDT ON MAY 4	4 25 ON MAY 4	---	---	1970
1971	---	4 28 ON APR 5	---	---	1971
1972	5 71 AT 00 30 MST ON APR 7	3 33 ON APR 7	---	---	1972
1973	2 61 AT 02 30 MST ON APR 12	1 39 ON APR 13	---	---	1973
1974	4 908 AT 23 30 MST ON APR 6	2 53 ON APR 7	---	---	1974
1975	31 4 AT 07 45 MST ON JUN 20	18 8 ON JUN 20	---	---	1975
1976	3 09 AT 18 45 MST ON MAY 5	2 12 ON MAY 5	---	---	1976
1977	1 538 AT 01 45 MST ON APR 8	1 19 B ON APR 8	---	---	1977
1978	2 61 AT 09 45 MDT ON SEP 12	1 83 ON SEP 12	---	---	1978
1979	4 81 AT 01 15 MST ON APR 18	3 82 ON APR 17	---	---	1979
1980	7 36 AT 15 30 MDT ON MAY 26	5 55 B ON APR 15	0 396 ON JUL 30	13 200	1980
1981	8 37 AT 23 15 MDT ON MAY 15	4 39 ON JUN 14	0 4258 ON MAR 3	15 700	1981
1982	20 3 AT 01 30 MDT ON APR 23	7 90 ON APR 22	---	---	1982
1983	1 428 AT 03 00 MDT ON MAR 10	0 5508 ON MAR 10	0 284 ON AUG 4	5 800	1983
1984	1 05 AT 08 00 MST ON APR 20	0 846 ON APR 20	0 127 ON JUL 21	5 410	1984
1985	3 80 AT 12 00 MST ON MAY 30	1 98 ON MAY 30	0 071 ON MAY 22 *	9 280	1985
1986	---	0 991 ON MAY 5	0 133 ON JUL 30	8 920	1986
				9 680	MEAN

A · MANUAL GAUGE (SEE REFERENCE INDEX)
B · ICE CONDITIONS
E · ESTIMATED
* · EXTREME RECORDED FOR THE PERIOD OF RECORD

NORTH FOX CREEK NEAR MUSKEG · STATION NO 07AC003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	0 140	0 120	---	---	---	---	1972
1973	---	---	---	---	0 280	0 253	0 213	0 132	0 083	---	---	---	---	1973
1974	---	---	---	---	0 211	0 149	0 126	0 102	---	---	---	---	---	1974
MEAN	---	---	---	---	0 248	0 201	0 169	0 125	0 102	---	---	---	---	MEAN

LOCATION · LAT 53 43 00 N
LONG 118 16 00 W
DRAINAGE AREA 17 6 km^2
NATURAL FLOW

NORTH FOX CREEK NEAR MUSKEG - STATION NO 07AC002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	---	---	---	1972
1973	0.9088 AT 01:00 MST ON MAY 6 *	0.481 ON JUN 24 *	---	---	1973
1974	0.438 AT 05:30 MST ON JUL 12	0.371 ON JUL 12	---	---	1974
				---	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

NORTH MILK RIVER AT KNIGHT'S RANCH - STATION NO 11AA002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	1.87	1.18	1.46	---	---	---	1909
1910	---	---	---	---	1.44	0.955	0.595	0.547	0.739	0.854	---	---	---	1910
1913	---	---	---	---	---	---	0.755	0.732	0.875	---	---	---	---	1913
1914	---	---	---	---	---	---	0.455	---	---	---	---	---	---	1914
MEAN	---	---	---	---	1.44	0.955	0.602	0.983	0.865	1.05	---	---	---	MEAN

LOCATION - LAT 49 08 00 N DRAINAGE AREA, 622 km^2
LONG 112 40 00 W NATURAL FLOW

NORTH MILK RIVER NEAR INTERNATIONAL BOUNDARY - STATION NO 11AA001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	1.51	1.48	1.42	---	---	---	1909
1910	---	---	---	1.11	0.979	0.840	0.677	0.578	0.755	0.625	---	---	---	1910
1911	---	---	---	---	1.65	1.84	0.941	1.18	1.90	0.931	---	---	---	1911
1912	---	---	---	1.27	1.57	0.954	1.22	0.634	0.811	0.790	---	---	---	1912
1913	0.380	0.598	0.703	2.21	1.67	1.15	0.877	0.829	0.714	0.877	0.783	0.496	1.08	1913
1914	0.420	0.384	0.862	1.74	0.737	0.520	0.415	0.430	0.418	1.10	0.868	0.670	0.776	1914
1915	0.449	0.486	1.84	1.15	1.06	3.39	2.89	1.91	2.22	2.08	1.45	1.13	2.07	1915
1916	0.881	3.32	2.21	2.25	2.33	3.24	2.04	2.35	2.14	1.74	1.53	0.976	2.29	1916
1917	0.903	0.987	0.874	4.73	5.00	2.91	7.84	8.91	4.33	1.14	1.07	0.915	4.45	1917
1918	1.30	0.805	1.22	1.52	1.09	7.71	11.5	7.03	1.81	0.496	0.538	0.416	4.03	1918
1919	0.423	0.426	0.749	2.57	11.8	11.8	11.3	11.4	5.08	1.63	0.398	0.417	7.03	1919
1920	0.316	0.403	0.948	2.27	5.83	11.2	12.7	10.0	0.475	0.448	0.436	0.308	5.46	1920
1921	0.288	0.330	0.612	1.91	3.82	10.5	8.48	3.80	0.271	0.304	0.345	0.331	3.84	1921
1922	0.290	0.177	0.354	1.45	2.25	6.99	9.78	8.81	5.89	0.481	---	---	4.50	1922
1923	---	---	0.495	1.40	6.50	12.5	10.2	9.58	2.47	0.384	---	---	5.43	1923
1924	---	---	0.450	1.29	7.41	10.1	11.4	13.5	3.30	0.328	---	---	5.98	1924
1925	---	---	1.22	2.46	11.2	14.8	14.7	13.8	10.5	5.16	---	---	9.24	1925
1926	---	---	0.454	3.71	12.7	13.6	13.3	2.25	3.45	0.333	---	---	6.35	1926
1927	---	---	1.10	2.60	3.85	4.46	12.2	13.3	2.24	1.67	---	---	5.20	1927
1928	---	---	---	2.11	1.87	14.9	11.4	12.7	2.85	1.48	---	---	---	1928
1929	---	---	1.17	2.44	3.49	11.6	13.9	13.2	3.41	3.46	---	---	7.21	1929
1930	---	---	4.11	2.25	1.32	9.01	15.0	13.3	5.33	0.599	---	---	5.37	1930
1931	---	---	0.859	1.79	10.6	15.3	15.8	14.8	2.78	1.86	---	---	7.89	1931
1932	---	---	2.06	7.44	15.4	13.7	16.8	16.5	5.48	0.724	---	---	9.77	1932
1933	---	---	0.613	2.17	12.8	14.7	17.7	17.3	7.52	1.87	---	---	9.35	1933
1934	---	---	0.907	3.33	18.3	17.4	19.7	17.8	1.24	0.418	---	---	9.92	1934
1935	---	0.288	0.385	1.28	11.3	16.3	19.9	16.1	8.80	0.254	---	---	8.27	1935
1936	---	---	0.342	2.39	12.7	19.7	20.6	13.9	2.36	1.22	---	---	8.18	1936
1937	---	---	0.385	1.41	15.5	8.90	19.2	20.0	5.14	0.354	---	---	8.92	1937
1938	---	---	0.636	2.89	11.9	16.9	18.6	18.7	4.45	2.02	---	---	8.54	1938
1939	---	---	0.694	3.88	16.0	18.8	18.6	13.2	0.590	1.15	4.97	---	9.13	1939
1940	---	---	0.589	0.670	11.2	16.2	18.1	10.1	0.285	0.230	---	---	7.23	1940
1941	---	---	0.384	2.68	14.5	15.5	17.9	7.49	2.39	0.171	---	---	7.83	1941
1942	---	---	0.509	8.90	19.2	6.42	18.8	16.5	13.1	0.787	---	---	10.6	1942
1943	---	---	1.42	1.71	1.21	10.8	14.4	15.5	15.1	2.30	---	---	7.79	1943
1944	---	---	0.879	3.09	14.4	12.9	12.1	9.27	1.89	0.309	---	---	8.84	1944
1945	---	---	0.544	1.70	16.3	17.1	16.9	16.5	14.7	2.50	---	---	10.8	1945
1946	---	---	0.599	10.6	16.3	17.8	16.5	15.3	14.8	0.578	---	---	11.5	1946
1947	---	---	2.92	2.07	8.20	14.0	16.9	16.1	13.2	0.985	---	---	9.03	1947
1948	---	---	1.83	5.22	6.42	12.9	15.6	17.0	15.3	1.33	---	---	9.28	1948
1949	---	---	1.29	2.31	15.5	17.2	16.3	15.5	10.1	0.883	---	---	8.88	1949
1950	---	---	0.840	2.96	4.86	11.2	15.6	14.6	15.2	14.8	---	---	8.89	1950
1951	---	---	1.57	3.43	2.42	8.59	16.8	16.4	7.06	2.07	---	---	7.58	1951
1952	---	---	2.63	4.52	1.72	1.23	13.9	16.7	16.4	4.89	---	---	7.75	1952
1953	---	---	1.90	6.44	17.3	9.72	7.19	15.5	15.7	2.34	---	---	9.49	1953
1954	---	---	1.19	3.16	6.35	12.1	16.4	16.7	3.20	0.886	---	---	7.51	1954
1955	---	---	0.950	2.39	5.99	8.53	16.0	17.7	9.61	0.879	---	---	7.89	1955
1956	---	---	1.91	4.20	15.6	17.4	17.4	16.4	15.7	7.86	---	---	12.1	1956
1957	---	---	1.48	4.81	17.6	17.2	16.3	15.8	9.86	0.783	---	---	10.5	1957
1958	---	---	0.880	4.51	16.8	18.5	18.2	18.0	9.62	0.547	---	---	10.9	1958
1959	---	---	1.17	11.5	19.3	18.3	16.7	17.9	18.2	5.28	---	---	13.5	1959
1960	---	---	2.49	2.05	15.7	19.7	18.1	18.6	12.0	0.494	---	---	11.1	1960
1961	---	---	0.718	12.2	12.8	18.7	18.5	18.1	12.8	2.16	---	---	12.0	1961
1962	---	---	1.57	13.7	18.1	18.8	18.4	17.3	1.33	0.284	---	---	11.3	1962
1963	---	0.775	0.500	15.8	17.3	19.9	19.0	19.1	12.3	0.233	---	---	13.0	1963
1964	---	---	0.406	9.61	17.0	11.6	10.4	20.0	16.7	0.783	---	---	10.8	1964
1965	---	---	1.07	4.20	2.01	20.7	13.9	19.2	11.8	0.820	---	---	9.17	1965
1966	---	---	1.85	1.26	16.8	20.6	17.3	19.8	15.3	0.858	---	---	11.7	1966
1967	---	---	1.95	1.93	4.85	6.07	19.6	18.8	17.6	0.859	---	---	8.08	1967
1968	---	---	1.36	12.5	19.0	20.7	19.8	18.1	13.9	1.11	---	---	13.4	1968
1969	---	---	1.70	4.13	10.7	21.0	19.9	20.4	10.1	0.818	---	---	11.1	1969
1970	---	---	0.853	7.54	8.73	18.5	18.9	18.9	9.77	0.851	---	---	10.2	1970
1971	---	---	0.688	2.00	7.28	6.93	19.6	19.1	19.2	4.75	---	---	9.96	1971
1972	---	---	4.01	1.83	16.6	14.2	19.5	19.5	19.6	6.36	---	---	12.7	1972
1973	---	---	0.679	2.32	13.6	20.2	19.2	15.8	0.349	0.317	---	---	9.08	1973
1974	---	---	0.929	14.1	17.3	16.7	19.7	18.4	14.2	0.377	---	---	12.7	1974
1975	---	---	0.381	1.50	4.80	6.14	8.84	18.9	15.6	1.04	---	---	7.14	1975
1976	---	---	1.61	3.12	17.6	21.1	20.2	20.3	18.4	2.53	---	---	13.1	1976
1977	---	---	0.449	1.03	14.3	18.6	5.42	5.31	2.67	0.335	---	---	5.99	1977
1978	---	---	2.38	0.814	1.99	11.1	14.2	14.5	4.64	0.467	---	---	6.27	1978
1979	---	---	2.64	2.20	3.77	18.5	17.9	17.7	5.26	0.462	---	---	8.55	1979
1980	---	---	3.87	12.8	15.2	19.1	19.2	17.8	7.21	0.509	---	---	11.9	1980
1981	---	---	11.4	10.0	16.7	19.5	19.8	17.5	15.9	0.791	---	---	13.9	1981
1982	---	---	0.820	2.59	14.8	15.4	16.5	0.452	0.380	0.423	---	---	6.42	1982
1983	---	---	7.38	11.1	8.16	17.0	18.7	17.0	0.487	0.249	---	---	10.0	1983
1984	---	---	7.88	6.07	9.15	18.5	18.9	13.0	0.204	0.210	---	---	9.25	1984
1985	---	---	1.71	16.7	19.8	19.4	14.4	17.8	12.1	0.385	---	---	12.7	1985
1986	---	---	0.708	6.76	8.08	11.6	16.4	15.2	2.24	0.294	---	---	7.86	1986
MEAN	0.561	0.730	1.55	4.42	10.0	13.1	14.5	13.7	7.87	1.49	1.24	0.618	8.86	MEAN

LOCATION - LAT 49 01 19 N LONG 112 58 16 W DRAINAGE AREA 238 km² REGULATED SINCE 1915 INTERNATIONAL GAUGING STATION

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1916 AND 1986

NORTH MILK RIVER NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AA001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	2.04 ON JUN 8	---	---	1910
1911	19.9 ON JUN 25	9.85 ON JUN 25	---	---	1911
1912	---	3.71 ON MAY 22	---	---	1912
1913	---	7.878 ON APR 14	0.481 ON AUG 7	22 800	1913
1914	---	14.6 ON APR 5	0.314 ON AUG 7	15 400	1914
1915	15.8 ON SEP 3	8.41 ON SEP 2	0.481 ON APR 29	43 700	1915
1916	---	5.82 ON JUN 28	1.02 B ON MAR 1	48 400	1916
1917	13.9 ON APR 9	13.6 ON APR 9	0.651B ON MAR 1	94 200	1917
1918	---	12.1 ON JUL 16	0.459 ON OCT 9	85 300	1918
1919	13.5 AT 06 00 MST ON MAY 9	13.1 ON MAY 9	0.2278 ON MAR 1	149 000	1919
1920	25.4 ON MAY 8	21.9 ON MAY 8	0.2978 ON MAR 6	116 000	1920
1921	13.4 AT 15 00 MST ON JUN 20	13.1 ON JUN 20	0.195 ON SEP 23	81 300	1921
1922	14.5 AT 19 00 MST ON AUG 17	14.2 ON AUG 17	0.1988 ON MAR 1	95 300	1922
1923	19.1 AT 01 00 MST ON JUN 22	16.1 ON JUN 22	0.2558 ON MAR 2	115 000	1923
1924	19.1 AT 14 00 MST ON JUN 7	16.3 ON JUN 7	0.266 ON SEP 29	127 000	1924
1925	16.7 AT 01 00 MST ON AUG 16	15.8 ON JUN 14	0.2638 ON MAR 13	196 000	1925
1926	---	15.4 ON JUN 20	0.300A ON APR 3	134 000	1926
1927	21.8 AT 18 00 MST ON MAY 29	16.3 ON MAY 30	0.091B ON MAR 1	110 000	1927
1928	27.1 AT 23 00 MST ON JUN 24	24.4 ON JUN 18	---	---	1928
1929	20.6 AT 09 00 MST ON JUN 2	18.3 ON JUN 2	0.345B ON MAR 1	153 000	1929
1930	16.5 AT 10 00 MST ON JUL 19	16.0 ON JUL 19	0.314B ON MAR 2	135 000	1930
1931	17.4 AT 16 30 MST ON JUN 30	16.7 ON JUL 31	0.278 ON OCT 11	189 000	1931
1932	20.0 AT 11 30 MST ON JUN 16	18.1 ON JUN 16	0.263B ON MAR 12	207 000	1932
1933	18.7 AT 18 00 MST ON JUN 28	18.5 ON AUG 24	0.238 ON SEP 28	198 000	1933
1934	26.0 AT 02 30 MST ON JUN 27	22.5 ON JUN 7	0.265 ON SEP 16	210 000	1934
1935	21.1 AT 21 00 MST ON JUL 28	20.5 ON JUL 21	0.1708 ON OCT 31	186 000	1935
1936	21.4 AT 09 30 MST ON MAY 28	21.3 ON MAY 28	0.085B ON APR 4	194 000	1936
1937	88.0 AT 21 00 MST ON JUN 12	30.8 ON JUN 13	0.142B ON MAR 21	189 000	1937
1938	25.2 AT 21 00 MST ON JUN 26	20.6 ON JUN 26	0.193 ON SEP 21	202 000	1938
1939	20.3 AT 06 00 MST ON JUN 16	19.7 ON JUN 16	0.057B ON MAR 1	193 000	1939
1940	20.7 AT 18 30 MST ON JUL 27	20.3 ON JUL 27	0 B ON MAR 1 *	153 000	1940
1941	20.0 AT 15 00 MST ON JUN 3	19.8 ON JUN 4	0.153 ON OCT 10	162 000	1941
1942	35.5 AT 16 30 MST ON JUN 5	24.2 ON JUN 5	0.113B ON MAR 1	223 000	1942
1943	17.7 AT 16 00 MST ON JUN 13	17.3 ON JUN 13	0.227B ON MAR 15	185 000	1943
1944	17.2 AT 03 00 MST ON JUL 26	17.1 ON JUL 22	0.280 ON OCT 24	145 000	1944
1945	19.7 AT 02 00 MST ON JUN 5	18.2 ON JUN 5	0.227B ON MAR 4	228 000	1945
1946	18.5 AT 02 00 MST ON JUN 15	18.2 ON JUN 24	0.221 ON OCT 27	244 000	1946
1947	18.8 AT 13 30 MST ON JUL 19	17.4 ON JUN 28	0.113B ON MAR 11	191 000	1947
1948	83.5 AT 09 30 MST ON JUN 17 *	45.3 ON JUN 17	0.311B ON MAR 1	196 000	1948
1949	20.1 AT 05 30 MST ON MAY 17	18.9 ON MAY 17	0.396B ON MAR 15	209 000	1949
1950	18.0 ON MAY 17	17.8 ON MAY 17	0.623B ON MAR 29	211 000	1950
1951	---	48.7 ON JUN 24 *	0.170B ON MAR 1	160 000	1951
1952	25.3B AT 22 00 MST ON APR 6	17.8 ON JUL 19	0.821B ON MAR 3	164 000	1952
1953	47.5 AT 10 00 MST ON JUN 3	37.7 ON JUN 3	0.538B ON MAR 1	201 000	1953
1954	18.0 AT 20 00 MST ON AUG 26	17.4 ON AUG 27	0.708B ON MAR 30	159 000	1954
1955	28.0 AT 19 00 MST ON MAY 18	19.3 ON JUL 11	0.198B ON MAR 25	167 000	1955
1956	28.9 AT 20 00 MST ON JUL 3	23.2 ON JUL 3	0.340B ON MAR 11	255 000	1956
1957	18.3 AT 12 00 MST ON MAY 21	18.0 ON MAY 21	0.586B ON MAR 7	222 000	1957
1958	23.8 AT 21 00 MST ON APR 12	20.2 ON MAY 13	0.311B ON MAR 6	230 000	1958
1959	24.2 AT 05 00 MST ON MAY 19	22.2 ON MAY 19	0.510B ON MAR 10	286 000	1959
1960	21.2 ON JUN 20	21.1 ON JUN 19	0.113B ON MAR 1	236 000	1960
1961	24.4 AT 17 00 MST ON AUG 16	19.6 ON MAY 27	0.388B ON MAR 1	253 000	1961
1962	22.1 AT 04 00 MST ON APR 14	21.2 ON JUN 14	0.147B ON MAR 10	240 000	1962
1963	23.4 AT 17 00 MST ON JUN 22	22.3 ON JUN 22	0.201 ON OCT 2	275 000	1963
1964	54.9 AT 16 00 MST ON JUN 8	38.5 ON JUN 8	0.210B ON MAR 4	228 000	1964
1965	31.7 AT 09 30 MST ON JUN 17	28.3 ON JUN 26	0.857B ON MAR 23	194 000	1965
1966	44.2 AT 21 00 MST ON JUN 4	34.3 ON JUN 4	0.552B ON MAR 3	248 000	1966
1967	80.6 AT 22 00 MST ON MAY 8	25.3 ON MAY 8	0.447B ON APR 20	192 000	1967
1968	28.9 AT 23 30 MST ON JUN 7	24.0 ON JUN 7	0.627B ON MAR 10	284 000	1968
1969	27.5 AT 07 35 MST ON JUN 26	25.6 ON JUN 28	0.345B ON MAR 13	234 000	1969
1970	29.2 AT 17 26 MST ON JUN 13	25.4 ON JUN 13	0.433B ON OCT 27	216 000	1970
1971	21.7 AT 08 00 MST ON JUN 29	21.4 ON JUN 29	0.187B ON MAR 6	211 000	1971
1972	42.5B AT 22 00 MST ON MAR 15	26.0 B ON MAR 15	0.275B ON MAR 4	269 000	1972
1973	21.0 AT 12 40 MST ON JUN 10	20.7 ON JUN 10	0.286 ON SEP 12	192 000	1973
1974	28.9 AT 20 00 MST ON APR 30	24.6 ON APR 30	0.227B ON MAR 6	268 000	1974
1975	56.4 AT 06 50 MST ON JUN 20	41.9 ON JUN 20	0.311B ON APR 5	151 000	1975
1976	26.2 AT 05 20 MST ON JUN 14	23.5 ON JUN 14	0.496 ON OCT 28	277 000	1976
1977	19.5 AT 08 20 MST ON JUN 16	19.2 ON JUN 11	0.297 ON OCT 19	127 000	1977
1978	19.6 AT 07 55 MST ON AUG 23	18.6 ON JUL 8	0.378A ON OCT 31	133 000	1978
1979	21.7 AT 10 35 MST ON JUN 18	21.1 ON JUN 18	0.364 ON SEP 29	181 000	1979
1980	32.6 AT 13 40 MST ON MAY 26	28.2 ON MAY 26	0.416 ON SEP 30	253 000	1980
1981	33.8 AT 05 50 MST ON JUN 14	29.1 ON JUN 14	0.591B ON MAR 1	295 000	1981
1982	22.2 AT 07 40 MST ON MAY 28	20.4 ON MAY 27	0.301 ON SEP 9	136 000	1982
1983	20.2 AT 18 15 MST ON JUL 17	19.5 ON JUL 17	0.217 ON SEP 28	212 000	1983
1984	20.1 AT 22 05 MST ON JUN 21	19.7 ON JUN 22	0.140 ON SEP 15	186 000	1984
1985	27.8 AT 12 30 MST ON MAY 30	25.5 ON MAY 30	0.138A ON OCT 31	289 000	1985
1986	---	17.6 ON JUN 29	0.238 ON SEP 29	182 000	1986
				183 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)

B - ICE CONDITIONS

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

NORTH RAM RIVER AT FORESTRY ROAD - STATION NO 05DC011

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	1.62	1.61	1.17	0.724	0.488	---	---	---	1975
1976	---	---	---	---	1.51	1.94	2.68	3.61	1.61	0.911	---	---	2.05	1976
1977	---	---	---	---	3.31	5.17	3.88	3.84	3.20	1.94	---	---	3.71	1977
1978	---	---	---	---	4.97	12.7	8.50	4.41	4.88	2.42	---	---	6.31	1978
1979	---	---	---	---	2.97	3.51	2.34	1.67	0.974	0.723	---	---	2.03	1979
1980	---	---	---	---	2.71	18.7	5.34	3.18	2.77	1.95	---	---	5.71	1980
1981	---	---	---	---	4.88	3.46	17.9	5.95	1.91	1.29	---	---	5.90	1981
1982	---	---	---	---	0.957	5.32	9.47	1.97	1.45	1.44	---	---	3.43	1982
1983	---	---	---	---	2.42	4.24	5.07	1.47	0.959	0.761	---	---	2.48	1983
1984	---	---	---	---	0.579	5.21	2.21	1.03	1.46	2.01	---	---	2.07	1984
1985	---	---	---	---	0.761	3.44	2.95	3.43	6.82	2.62	---	---	3.32	1985
1986	---	---	---	---	6.39	6.48	12.9	4.32	2.37	5.05	---	---	6.27	1986
MEAN	---	---	---	---	2.84	6.07	6.24	3.00	2.44	1.80	---	---	3.93	MEAN

LOCATION - LAT 52 16 55 N DRAINAGE AREA 348 km²
LONG 115 59 30 W NATURAL FLOW

NORTH RAM RIVER AT FORESTRY ROAD - STATION NO 05DC011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	2.59 AT 12:00 MST ON JUL 14	2.37 ON JUL 15	---	---	1975
1976	5.69 AT 06:30 MST ON AUG 5	5.18 ON AUG 5	0.386 ON MAY 1	32 500	1976
1977	19.0 AT 00:30 MST ON JUN 2	16.5 ON JUN 2	0.244 ON MAY 1	58 000	1977
1978	23.3 AT 23:00 MST ON JUN 2	20.2 ON JUN 2	1.40 ON MAY 7	100 000	1978
1979	11.7 AT 20:30 MST ON MAY 24	8.89 ON MAY 24	0.589 ON MAY 8	32 300	1979
1980	54.1 AT 03:45 MST ON JUN 5	43.3 ON JUN 5	1.33 ON MAY 22	90 800	1980
1981	72.4 AT 18:55 MST ON JUL 14 *	63.2 ON JUL 15 *	0.519 ON MAY 1	93 700	1981
1982	33.4 AT 20:22 MST ON JUL 6	31.5 ON JUL 6	0.300E ON MAY 1	54 700	1982
1983	8.73 AT 13:01 MST ON JUN 24	8.31 ON JUN 25	0.685 ON OCT 26	39 600	1983
1984	13.8 AT 01:17 MST ON JUN 9	12.7 ON JUN 9	0.267 ON MAY 5	32 900	1984
1985	20.1 AT 13:12 MST ON SEP 13	19.3 ON SEP 13	0.215 ON MAY 1 *	52 700	1985
1986	42.7 AT 06:31 MST ON JUL 18	41.1 ON JUL 18	0.388 ON MAY 1	89 700	1986
				82 500	MEAN

E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

NORTH SASKATCHEWAN RIVER AT EDMONTON - STATION NO. 05DF001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	262	493	798	597	328	187	72.8	46.8	---	1911
1912	35.6	37.6	37.3	131	338	517	987	749	365	203	90.0	47.6	285	1912
1913	39.5	37.2	37.3	233	275	581	606	524	267	126	65.7	39.0	235	1913
1914	34.4	27.0	32.2	84.4	257	697	935	314	184	129	70.0	31.2	300	1914
1915	34.7	30.6	47.5	94.0	237	1 080	1 210	687	292	161	86.4	48.6	334	1915
1916	34.9	32.8	49.9	135	196	725	829	592	469	212	122	73.2	290	1916
1917	57.7	39.6	37.8	140	723	716	582	372	261	187	98.4	51.9	271	1917
1918	55.4	35.0	54.4	197	186	551	479	400	238	145	74.3	40.8	205	1918
1919	35.2	28.8	26.7	90.3	188	286	341	418	277	106	48.4	32.8	183	1919
1920	33.4	32.8	33.1	79.6	681	486	889	417	184	97.4	55.3	28.7	234	1920
1921	33.1	31.5	32.2	177	329	428	457	371	127	78.1	35.6	29.1	177	1921
1922	22.5	22.8	25.5	89.1	247	420	410	472	246	116	49.7	21.8	178	1922
1923	20.1	26.8	25.2	82.5	159	989	883	645	303	143	74.1	61.0	288	1923
1924	26.1	27.6	31.1	58.9	357	412	485	490	272	127	58.4	34.7	198	1924
1925	28.8	26.6	28.2	355	279	548	517	767	477	265	81.6	71.8	288	1925
1926	41.0	39.5	51.3	182	175	382	484	323	774	294	128	39.1	240	1926
1927	44.1	41.6	58.8	269	343	882	785	538	329	193	72.0	54.0	265	1927
1928	69.4	66.4	69.4	157	236	915	944	423	220	112	64.0	43.4	278	1928
1929	29.9	27.9	36.3	95.9	251	483	284	303	194	93.7	47.6	32.8	194	1929
1930	28.9	31.8	43.8	123	305	449	444	352	229	109	53.8	41.5	178	1930
1931	30.5	27.1	27.7	89.6	182	398	585	386	240	125	84.6	54.6	182	1931
1932	40.8	31.5	27.2	156	315	540	435	421	250	122	61.7	41.0	228	1932
1933	43.8	34.8	33.7	141	447	478	467	372	252	91.3	44.8	30.3	204	1933
1934	39.1	35.3	67.3	158	282	410	322	292	182	105	54.5	40.7	185	1934
1935	22.6	27.3	26.7	156	279	535	831	491	228	114	98.1	34.9	239	1935
1936	34.6	32.9	24.7	340	408	497	345	348	187	101	80.4	25.6	201	1936
1937	16.7	16.4	24.9	86.0	208	382	514	323	222	120	67.5	48.0	168	1937
1938	37.4	21.7	30.9	76.1	178	575	810	425	364	156	88.2	40.4	214	1938
1939	36.4	30.8	84.4	101	184	438	467	345	194	122	82.1	42.3	177	1939
1940	27.5	23.2	28.0	251	297	331	404	280	256	138	69.9	38.7	178	1940
1941	27.9	29.2	31.2	70.5	95.5	317	402	342	184	117	91.1	33.8	143	1941
1942	31.0	28.9	24.6	91.4	187	531	707	485	306	153	80.1	57.1	228	1942
1943	45.5	34.7	36.2	320	184	483	580	385	185	102	43.9	25.3	200	1943
1944	28.6	29.1	36.4	95.5	216	1 040	852	551	274	143	70.3	31.1	284	1944
1945	34.5	33.0	37.4	83.8	243	410	401	327	188	180	73.9	50.3	171	1945
1946	44.0	39.2	41.5	131	224	720	472	300	214	103	38.0	55.8	199	1946
1947	47.2	40.2	49.8	217	284	511	528	334	261	153	97.6	55.0	215	1947
1948	46.6	39.2	41.1	187	1 130	718	543	559	233	114	56.5	35.4	310	1948
1949	33.5	32.6	33.0	118	185	245	433	319	186	89.0	59.0	19.6	144	1949
1950	24.4	25.0	24.0	97.8	168	555	588	349	207	95.1	40.4	28.6	184	1950
1951	30.5	26.7	27.8	97.6	488	406	626	381	288	157	92.8	56.3	221	1951
1952	53.5	46.3	48.6	200	210	944	886	454	239	137	83.1	27.1	265	1952
1953	36.4	38.7	37.6	88.6	361	784	591	509	264	115	73.1	37.6	245	1953
1954	38.6	42.4	33.6	97.4	535	989	837	884	701	243	128	76.4	383	1954
1955	46.7	53.0	45.4	178	372	555	502	268	170	83.6	38.1	37.7	197	1955
1956	35.0	29.9	30.3	214	228	471	447	330	189	101	48.6	31.8	180	1956
1957	30.9	25.6	32.1	111	384	400	303	276	225	152	97.9	52.1	176	1957
1958	43.8	38.7	38.8	163	390	870	881	384	208	103	51.0	37.8	225	1958
1959	34.9	32.8	43.7	97.5	182	936	948	294	208	138	76.0	57.0	194	1959
1960	41.5	40.2	58.9	123	226	388	619	348	189	103	50.9	35.5	185	1960
1961	34.4	33.3	46.7	71.2	259	488	390	426	177	94.8	43.9	52.0	178	1961
1962	58.3	53.5	47.2	181	228	391	482	354	185	85.4	116	67.5	187	1962
1963	54.3	55.7	65.1	237	274	458	582	322	209	106	80.9	66.5	209	1963
1964	57.0	65.3	67.5	106	372	735	607	235	230	183	109	83.7	228	1964
1965	59.3	84.6	110	315	291	1 090	1 080	459	331	236	116	81.0	355	1965
1966	102	93.3	83.2	177	265	388	654	532	238	176	89.4	73.0	237	1966
1967	86.9	81.4	77.8	124	285	887	485	248	203	94.6	67.5	62.0	209	1967
1968	88.5	81.2	113	94.3	185	384	413	391	202	136	89.5	81.3	184	1968
1969	81.1	76.8	70.5	198	268	423	725	458	208	100	85.3	68.9	231	1969
1970	87.2	74.1	73.7	163	214	521	464	267	118	83.8	67.1	74.9	179	1970
1971	82.4	80.8	83.8	228	187	590	510	402	149	85.8	76.5	63.0	206	1971
1972	71.7	67.3	84.2	154	182	903	622	274	131	147	89.0	84.7	235	1972
1973	106	122	105	242	374	338	287	201	186	161	88.5	80.7	191	1973
1974	109	142	98.7	432	431	410	333	190	204	188	134	114	231	1974
1975	127	108	105	197	220	188	183	134	108	91.1	93.2	117	140	1975
1976	108	123	121	188	187	207	180	264	216	153	151	112	167	1976
1977	131	98.4	86.5	149	334	348	219	248	235	183	115	116	187	1977
1978	127	146	134	164	239	511	462	233	258	182	156	146	231	1978
1979	113	130	181	180	243	294	203	188	128	105	83.5	81.2	153	1979
1980	82.2	94.1	152	288	199	857	423	253	218	161	127	78.0	239	1980
1981	111	102	124	159	379	274	482	467	215	159	166	129	233	1981
1982	103	128	138	240	216	282	742	188	177	182	104	139	214	1982
1983	141	115	126	260	269	240	388	143	119	118	130	107	173	1982
1984	118	106	135	200	141	233	188	148	185	174	193	109	155	1984
1985	95.6	130	154	288	191	305	138	184	223	149	149	138	184	1985
1986	105	88.7	163	245	326	388	851	373	242	260	188	192	277	1986
MEAN	56.1	55.1	61.7	164	284	525	539	379	240	140	83.0	80.0	215	MEAN

LOCATION - LAT 53 32 15 N DRAINAGE AREA, 28 000 km²
LONG 113 29 04 W REGULATED SINCE 1960

NORTH SASKATCHEWAN RIVER AT EDMONTON - STATION NO 05DF001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	...	1 480 ON JUL 3	...	...	1911
1912	...	2 100 ON JUL 10	30 0 ON MAR 25	5 320 000	1912
1913	...	923 ON AUG 15	18 4 ON DEC 24	7 410 000	1913
1914	...	1 780 ON JUN 9	19 6 B ON DEC 15	6 320 000	1914
1915	5 800 ON JUN 29 *	4 840 ON JUN 29 *	28 6 B ON JAN 30	10 500 000	1915
1916	1 740 ON JUN 22	1 870 ON JUN 22	28 6 B ON MAR 4	9 180 000	1916
1917	...	1 880 ON MAY 18	27 2 B ON DEC 12	8 840 000	1917
1918	...	1 000 ON JUN 18	27 2 B ON FEB 20	8 470 000	1918
1919	...	584 ON JUN 24	19 5 B ON MAR 4	6 840 000	1919
1920	...	1 630 ON MAY 10	32 7 B ON DEC 23	7 410 000	1920
1921	778 ON MAY 23	705 ON MAY 23	10 6 B ON NOV 25	5 590 000	1921
1922	810 AT 19 00 MST ON AUG 16	731 ON AUG 16	16 3 B ON DEC 16	5 810 000	1922
1923	2 830 AT 09 00 MST ON JUN 25	2 380 ON JUN 25	18 3 B ON JAN 11	8 180 000	1923
1924	782 ON JUL 5	779 ON JUL 5	31 4 B ON DEC 28	6 300 000	1924
1925	2 180A AT 11 30 MST ON AUG 18	2 180A ON AUG 18	15 2 B ON FEB 25	9 080 000	1925
1926	...	1 880 ON SEP 4	32 3 B ON JAN 19	7 582 000	1926
1927	1 280 AT 15 00 MST ON JUN 26	1 140 ON JUN 29	37 7 B ON NOV 13	5 570 000	1927
1928	...	1 730 ON JUL 7	34 5 B ON DEC 21	8 810 000	1928
1929	...	1 080 ON JUN 5	27 3 B ON JAN 10	6 850 000	1929
1930	877 AT 06 00 MST ON JUN 13	871 ON JUL 17	27 0 B ON JAN 16	5 580 000	1930
1931	...	1 110 ON JUL 2	19 8 B ON MAR 16	5 740 000	1931
1932	...	1 870 ON JUN 4	22 5 B ON DEC 13	7 230 000	1932
1933	...	974 ON JUN 19	26 1 B ON DEC 23	8 420 000	1933
1934	...	798 ON JUN 1	18 5 B ON DEC 31	6 180 000	1934
1935	...	1 310 ON JUL 11	11 9 B ON JAN 3	7 530 000	1935
1936	...	1 140 ON APR 19	13 6 B ON DEC 23	8 380 000	1936
1937	...	882 ON JUL 17	13 6 B ON JAN 3	5 310 000	1937
1938	...	1 130 ON JUL 4	10 3 B ON FEB 4	5 760 000	1938
1939	...	855 ON JUN 28	9 408 ON DEC 31	6 600 000	1939
1940	...	1 0108 ON APR 18	5 238 ON JAN 1 *	5 810 000	1940
1941	...	756 ON JUN 28	16 5 B ON NOV 28	4 500 000	1941
1942	...	1 200 ON JUL 14	22 5 B ON MAR 27	7 100 000	1942
1943	...	1 250 ON APR 12	16 5 B ON NOV 22	5 290 000	1943
1944	3 570 AT 15 00 MST ON JUN 18	3 450 ON JUN 18	19 8 B ON JAN 5	8 380 000	1944
1945	...	644 ON JUN 1	26 8 B ON JAN 1	5 600 000	1945
1946	...	1 270 ON JUN 24	17 0 B ON NOV 26	6 280 000	1946
1947	...	810 ON JUN 13	30 3 B ON MAR 17	5 770 000	1947
1948	...	850 ON MAY 25	20 7 B ON DEC 14	9 800 000	1948
1949	...	936 ON JUL 22	12 2 B ON DEC 13	4 930 000	1949
1950	1 520 AT 05 00 MST ON JUN 17	1 420 ON JUN 17	17 7 B ON NOV 25	5 800 000	1950
1951	1 180 AT 13 00 MST ON MAY 3	1 100 ON MAY 3	24 6 B ON MAR 19	6 880 000	1951
1952	3 740 AT 11 00 MST ON JUN 25	3 540 ON JUN 25	18 5 B ON NOV 29	8 380 000	1952
1953	1 300 AT 10 00 MST ON JUN 5	1 270 ON JUN 5	28 0 B ON JAN 1	7 720 000	1953
1954	3 380 AT 21 45 MST ON JUN 8	3 030 ON JUN 8	23 6 B ON APR 6	11 400 000	1954
1955	906 AT 01 00 MST ON JUN 15	861 ON JUN 15	16 4 B ON NOV 30	8 210 000	1955
1956	763 AT 15 00 MST ON JUN 7	722 ON JUN 7	14 3 B ON DEC 13	5 880 000	1956
1957	663 AT 07 00 MST ON MAY 22	617 ON JUN 11	22 6 B ON JAN 29	6 520 000	1957
1958	1 480 AT 18 00 MST ON JUN 30	1 410 ON JUN 30	16 9 B ON DEC 14	7 080 000	1958
1959	1 480 AT 22 00 MST ON JUN 28	1 210 ON JUN 28	18 1 B ON NOV 30	9 130 000	1959
1960	1 100 AT 13 00 MST ON JUL 3	1 040 ON JUL 3	19 6 B ON NOV 30	5 850 000	1960
1961	852 AT 21 00 MST ON JUL 31	770 ON JUL 31	16 3 B ON NOV 24	5 590 000	1961
1962	807 AT 08 00 MST ON JUL 14	785 ON AUG 8	36 7 ON MAR 18	6 000 000	1962
1963	1 130 AT 23 59 MST ON JUL 17	1 090 ON JUL 18	37 7 B ON JAN 3	5 580 000	1963
1964	1 410 AT 01 00 MST ON JUN 21	1 350 ON JUN 21	30 3 B ON DEC 1	7 300 000	1964
1965	2 700 AT 20 00 MST ON JUN 29	2 590 ON JUN 29	80 1 B ON JAN 31	11 200 000	1965
1966	1 750 AT 12 00 MST ON JUL 5	1 630 ON JUL 6	42 5 B ON DEC 7	7 480 000	1966
1967	1 050 AT 09 00 MST ON JUN 19	1 000 ON JUN 19	34 9 B ON DEC 2	5 580 000	1967
1968	660 AT 08 00 MST ON JUN 13	597 ON AUG 9	36 8 B ON NOV 19	5 830 000	1968
1969	1 850 AT 21 49 MST ON JUL 7	1 740 ON JUL 7	80 1 B ON NOV 18	7 300 000	1969
1970	1 610 AT 14 24 MST ON JUN 18	1 520 ON JUN 18	36 0 B ON NOV 23	9 630 000	1970
1971	...	1 180A ON JUN 11	38 3 B ON DEC 18	8 520 000	1971
1972	3 200 AT 20 00 MST ON JUN 27	2 870 ON JUN 27	38 3 B ON DEC 3	7 430 000	1972
1973	719 AT 01 00 MST ON JUL 3	583 ON JUN 28	88 3 B ON NOV 12	6 030 000	1973
1974	1 130 AT 01 40 MST ON APR 24	1 080 ON APR 24	72 2 B ON JAN 13	7 280 000	1974
1975	708 AT 19 00 MST ON MAY 2	410 ON MAY 7	47 3 B ON NOV 25	4 630 000	1975
1976	487 AT 22 30 MST ON AUG 19	430 ON AUG 19	96 5 B ON DEC 7	5 280 000	1976
1977	880 AT 17 50 MST ON MAY 30	930 ON MAY 31	18 8 B ON NOV 22	5 690 000	1977
1978	1 040 AT 19 15 MST ON JUL 12	949 ON JUL 13	94 3 B ON JAN 10	7 290 000	1978
1979	7048 AT 21 45 MST ON APR 26	3858 ON APR 26	37 0 B ON NOV 30	4 840 000	1979
1980	2 670 AT 22 00 MST ON JUN 6	1 740 ON JUN 7	64 3 B ON DEC 8	7 570 000	1980
1981	1 320 AT 23 45 MST ON JUL 26	1 160 ON JUL 26	71 7 B ON MAR 6	7 240 000	1981
1982	2 030 AT 10 20 MST ON JUL 6	1 920 ON JUL 6	90 0 B ON NOV 22	5 880 000	1982
1983	831 AT 23 55 MST ON JUL 8	693 ON APR 27	85 9 B ON NOV 14	5 470 000	1983
1984	393 AT 23 25 MST ON JUN 11	373 ON JUN 11	70 0 B ON DEC 20	4 800 000	1984
1985	705 AT 19 45 MST ON SEP 15	681 ON SEP 15	93 2 B ON JAN 3	5 310 000	1985
1986	4 620 AT 20 00 MST ON JUL 19	3 980A ON JUL 19	78 7 B ON FEB 17	8 730 000	1986
				6 780 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)

B - ICE CONDITIONS

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

R - REVISED SINCE JAN 1 1986

NORTH SASKATCHEWAN RIVER AT LEA PARK - STATION NO. 05EF003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1958	---	---	---	---	---	---	---	---	---	117	87.0	26.4	---	1958
1959	33.4	36.9	46.5	119	191	879	573	302	201	197	76.5	62.4	196	1959
1960	46.6	39.9	61.6	192	309	384	883	330	184	103	59.7	35.1	178	1960
1961	42.8	33.4	44.7	82.8	330	616	376	434	192	103	75.9	38.6	181	1961
1962	51.6	56.3	53.4	206	324	423	512	386	205	130	103	71.8	208	1962
1963	65.3	64.8	64.7	404	368	480	520	265	230	122	80.0	87.2	240	1963
1964	86.1	82.3	77.6	112	358	686	526	239	227	233	100	74.9	235	1964
1965	80.7	71.6	135	382	385	1 030	1 260	500	319	262	127	93.1	383	1965
1966	99.4	89.8	86.2	192	362	390	626	514	268	186	86.3	72.1	236	1966
1967	77.1	80.7	78.0	105	318	732	466	291	187	97.6	98.0	95.5	216	1967
1968	76.4	86.1	101	191	183	341	401	385	219	142	74.7	87.6	184	1968
1969	90.4	72.1	80.2	241	271	383	690	422	231	121	---	---	---	1969
1970	---	---	---	---	---	219	518	467	264	128	86.1	---	---	1970
1971	---	---	---	---	---	294	622	540	420	181	110	---	---	1971
MEAN	66.5	59.8	77.3	193	299	539	581	372	211	141	87.6	63.4	226	MEAN

LOCATION - LAT 53 39 30 N DRAINAGE AREA 47 700 km²
LONG 110 30 30 W REGULATED SINCE 1960

NORTH SASKATCHEWAN RIVER AT LEA PARK - STATION NO. 05EF003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1958	---	---	---	---	1958
1959	1 460 AT 18 00 MST ON JUN 30	1 390 ON JUN 30	22.00 ON JAN 11	6 230 000	1959
1960	---	833 ON JUL 6	18.10 ON DEC 6	5 620 000	1960
1961	795 AT 13 00 MST ON AUG 2	745 ON AUG 2	14.78 ON DEC 5 *	5 700 000	1961
1962	---	699 ON JUL 1	30.20 ON MAR 20	6 580 000	1962
1963	1 080 AT 14 00 MST ON JUL 18	1 000 ON JUL 19	35.78 ON NOV 10	7 570 000	1963
1964	---	1 3804 ON JUN 22	35.49 ON DEC 25	7 420 000	1964
1965	2 890 AT 18 00 MST ON JUN 30 *	2 740 ON JUN 30 *	47.39 ON FEB 6	12 100 000	1965
1966	1 670 AT 22 00 MST ON JUL 7	1 460 ON JUL 8	44.58 ON DEC 12	7 500 000	1966
1967	---	1 0204 ON JUN 20	34.09 ON DEC 6	6 760 000	1967
1968	992 AT 10 59 MST ON JUN 16	891 ON JUN 16	29.64 ON MAY 2	5 830 000	1968
1969	---	1 700 ON JUL 8	51.08 ON FEB 25	---	1969
1970	---	1 460 ON JUN 19	---	---	1970
1971	---	1 210 ON JUN 12	---	---	1971
				7 130 000	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

NORTH SASKATCHEWAN RIVER AT ROCKY RAPIDS - STATION NO. 05DD001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	35.6	34.2	44.6	101	270	1 330	1 260	685	309	162	89.2	50.5	355	1915
1916	37.0	35.5	43.5	126	306	713	742	506	446	207	127	76.9	278	1916
1917	56.2	39.2	36.0	127	891	944	870	635	271	172	103	46.7	276	1917
1918	56.2	33.7	52.1	179	196	948	499	409	256	126	71.6	41.0	200	1918
1919	30.6	24.8	23.9	83.3	176	319	402	488	321	105	68.2	41.8	170	1919
1920	32.5	33.5	31.9	123	819	452	818	504	205	114	52.3	27.4	252	1920
1921	26.0	26.7	27.0	194	361	483	427	261	135	86.3	49.8	---	---	1921
1922	---	---	---	---	220	490	458	867	285	106	---	---	---	1922
MEAN	39.6	32.8	37.2	123	342	815	881	488	276	126	77.6	47.9	256	MEAN

LOCATION - LAT 53 12 55 N DRAINAGE AREA 21 800 km²
LONG 116 55 53 W NATURAL FLOW

NORTH SASKATCHEWAN RIVER AT ROCKY RAPIDS - STATION NO. 05DD001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	5 610 ON JUN 27 *	26.7 ON MAR 7	11 200 000	1915
1916	---	1 800 ON JUN 21	27.99 ON MAR 7	8 700 000	1916
1917	---	1 4300 ON MAY 17	26.38 ON DEC 12	8 700 000	1917
1918	---	1 090 ON JUN 15	24.19 ON FEB 20	6 310 000	1918
1919	---	834 ON JUN 23	20.29 ON MAR 4 *	5 380 000	1919
1920	---	1 3700 ON MAY 8	22.49 ON DEC 21	7 980 000	1920
1921	---	975 ON MAY 22	---	---	1921
1922	---	824 ON AUG 17	---	---	1922
				8 130 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

NORTH SASKATCHEWAN RIVER AT SASKATCHEWAN CROSSING · STATION NO 05DA006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1950	---	---	---	---	---	---	---	---	59.6	---	---	---	---	1950
1951	---	---	---	---	---	72.4	144	100	36.0	15.3	---	---	---	1951
1952	---	---	---	---	---	66.6	121	120	---	---	---	---	---	1952
1953	---	---	---	---	---	74.0	118	98.6	51.9	17.5	---	---	---	1953
1954	---	---	---	---	---	---	---	104	54.2	14.1	---	---	---	1954
1955	---	---	---	---	---	98.2	160	108	80.7	9.58	---	---	---	1955
1956	---	---	---	---	53.7	104	152	118	48.2	16.7	---	---	---	1956
1957	---	---	---	---	---	96.2	92.5	67.7	51.1	---	---	---	---	1957
1958	---	---	---	---	62.0	130	146	103	52.2	17.8	---	---	---	1958
1959	---	---	---	---	28.1	92.1	129	71.6	39.2	14.2	---	---	---	1959
1960	---	---	---	---	16.9	71.7	157	102	42.1	14.9	---	---	---	1960
1961	---	---	---	---	51.4	152	131	127	35.8	21.4	---	---	---	1961
1962	---	---	---	---	24.1	77.7	110	100	40.3	15.8	---	---	---	1962
1963	---	---	---	---	---	95.2	120	113	84.7	25.4	---	---	---	1963
1964	---	---	---	---	17.7	94.9	146	88.6	42.6	19.9	---	---	---	1964
1965	---	---	---	---	25.9	93.5	150	143	24.3	14.7	---	---	---	1965
1966	---	---	---	---	31.6	76.7	130	111	88.4	24.0	8.42	6.28	---	1966
1967	4.08	3.73	4.83	6.47	25.2	136	142	130	89.0	20.8	9.22	8.44	48.5	1967
1968	6.35	6.04	2.88	3.07	32.2	97.0	137	95.7	57.3	14.8	8.30	5.88	38.6	1968
1969	2.89	2.68	1.85	6.00	46.8	131	105	98.8	44.1	13.6	7.89	5.75	39.2	1969
1970	2.80	2.70	2.82	3.15	18.4	118	152	126	---	---	---	---	---	1970
MEAN	3.97	3.38	3.02	4.67	33.4	99.9	134	103	51.7	17.1	8.46	6.54	42.2	MEAN

LOCATION - LAT 51 58 00 N DRAINAGE AREA 1 290 km²
LONG 116 43 30 W NATURAL FLOW

NORTH SASKATCHEWAN RIVER AT SASKATCHEWAN CROSSING · STATION NO 05DA006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1950	---	---	---	---	1950
1951	193 AT 03 00 MST ON JUL 14	179 ON JUN 15	---	---	1951
1952	290 AT 06 30 MST ON AUG 14	179 ON AUG 14	---	---	1952
1953	314 AT 03 00 MST ON JUL 15 *	283 ON JUL 15 *	---	---	1953
1954	187 AT 02 00 MST ON JUL 20	176 ON JUL 20	---	---	1954
1955	276 AT 23 00 MST ON JUL 18	271 ON JUL 18	---	---	1955
1956	233 AT 01 00 MST ON JUL 22	217 ON JUL 22	---	---	1956
1957	170 AT 06 00 MST ON JUN 8	163 ON JUN 8	---	---	1957
1958	206 AT 23 00 MST ON JUL 22	202 ON JUL 22	---	---	1958
1959	208 AT 03 00 MST ON JUL 25	201 ON JUL 24	---	---	1959
1960	212 AT 01 00 MST ON JUL 20	200 ON JUL 19	---	---	1960
1961	210 AT 02 00 MST ON JUN 20	204 ON JUN 7	---	---	1961
1962	189 AT 13 00 MST ON JUN 26	183 ON JUN 26	---	---	1962
1963	204 AT 23 30 MST ON AUG 13	197 ON JUL 8	---	---	1963
1964	229 AT 02 00 MST ON JUL 14	218 ON JUL 14	---	---	1964
1965	224 AT 03 00 MST ON JUL 9	220 ON JUL 8	---	---	1965
1966	185 AT 03 30 MST ON AUG 5	182 ON AUG 5	---	---	1966
1967	213 AT 08 00 MST ON JUL 5	204 ON JUL 5	2 889 ON FEB 17	1 530 000	1967
1968	230 AT 10 00 MST ON JUN 27	231 ON JUN 27	2 128 ON APR 5	1 230 000	1968
1969	193 AT 11 00 MST ON JUN 17	171 ON JUN 17	1 708 ON MAR 14 *	1 230 000	1969
1970	---	181 ON JUL 9	---	---	1970
				1 330 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

NORTH SASKATCHEWAN RIVER AT SAUNDERS - STATION NO 05DC002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	---	---	365	124	53.0	30.2	24.6	---	1915
1916	12.6	12.9	13.0	22.4	58.7	312	347	237	146	59.7	25.5	13.0	105	1916
1917	13.3	11.8	11.3	14.5	107	178	326	247	123	82.6	29.0	15.6	97.2	1917
1918	13.3	13.7	12.7	25.6	74.0	340	298	249	154	84.4	23.9	14.5	107	1918
1919	13.4	10.9	11.3	16.6	61.1	184	224	275	115	36.7	14.9	12.7	81.8	1919
1920	14.7	11.2	9.46	15.9	64.9	144	430	273	107	42.8	26.3	16.9	97.0	1920
1921	11.7	8.90	8.62	15.2	90.8	246	244	216	82.3	36.2	---	---	---	1921
1922	---	---	---	---	---	198	392	274	122	52.1	25.2	---	---	1922
1923	---	---	---	19.2	65.2	---	---	---	---	---	---	---	---	1923
1952	---	---	---	---	---	---	275	227	97.3	---	---	---	---	1952
1953	---	---	---	---	85.7	261	285	214	116	46.4	---	17.0	---	1953
1954	15.5	14.5	11.9	14.1	83.5	231	316	258	170	80.8	35.8	26.7	104	1954
1955	18.9	16.1	15.1	25.0	91.0	230	300	174	109	35.6	---	---	---	1955
1956	---	---	---	---	116	249	255	206	83.1	44.1	---	---	---	1956
1957	---	---	---	---	184	203	183	152	104	54.5	---	---	---	1957
1958	---	---	---	22.3	157	293	293	239	109	46.5	---	---	---	1958
1959	---	---	---	23.5	73.6	282	304	162	100	48.4	---	---	---	1959
1960	---	---	---	---	53.2	173	325	201	90.2	45.0	---	---	---	1960
1961	---	---	---	---	118	326	251	247	89.5	59.7	---	---	---	1961
1962	---	---	---	---	72.9	197	249	209	109	46.3	---	---	---	1962
1963	---	---	---	---	95.1	235	270	224	152	82.4	---	---	---	1963
1964	---	---	---	---	52.3	285	318	---	---	---	---	---	---	1964
1965	---	---	---	---	59.1	317	395	292	100	83.0	---	---	---	1965
1966	---	---	---	---	110	195	331	253	134	84.5	---	---	---	1966
1967	---	---	---	---	66.9	328	291	229	150	54.5	---	---	---	1967
1968	---	---	---	---	68.4	231	317	206	121	49.1	---	---	---	1968
1969	---	---	---	---	111	274	347	204	94.7	43.9	---	---	---	1969
1970	---	---	---	---	59.4	255	348	193	75.0	34.9	---	---	---	1970
1971	---	---	---	---	101	257	235	258	97.9	40.8	---	---	---	1971
1972	---	---	---	---	---	---	---	---	---	---	---	---	---	1972
1973	---	---	---	---	95.3	89.7	77.8	53.0	95.0	86.3	---	---	---	1973
1974	---	---	---	---	108	118	85.5	87.8	108	101	---	---	---	1974
1975	---	---	---	---	77.0	82.2	87.5	49.5	55.5	71.3	---	---	---	1975
1976	---	---	---	---	77.4	82.5	85.8	87.5	104	95.9	---	---	---	1976
1977	---	---	---	---	72.5	82.9	77.5	73.0	77.4	78.5	---	---	---	1977
1978	---	---	---	---	78.9	130	126	84.1	71.2	85.9	---	---	---	1978
MEAN	14.3	12.5	11.7	19.5	85.9	220	264	202	108	57.8	25.4	17.6	98.7	MEAN

LOCATION - LAT 52 27 10 N DRAINAGE AREA 5 160 km²
LONG 115 45 20 W REGULATED SINCE 1972

NORTH SASKATCHEWAN RIVER AT SAUNDERS - STATION NO 05DC002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1915	1 240 ON JUN 27 +	---	---	---	1915
1916	---	694 ON JUN 20	9.348 ON JAN 23	3 330 000	1916
1917	---	464 ON JUL 17	10.5 B ON FEB 18	3 070 000	1917
1918	---	776 ON JUN 15 +	11.0 B ON FEB 20	3 390 000	1918
1919	---	442 ON JUN 23	9.208 ON MAR 1	3 580 000	1919
1920	---	521 ON JUL 3	8.388 ON MAR 14 +	3 070 000	1920
1921	---	493 ON JUN 26	---	---	1921
1922	---	439 ON JUL 7	---	---	1922
1923	---	---	---	---	1923
1952	770 AT 08:00 MST ON JUN 23	663 ON JUN 23	---	---	1952
1953	509 AT 12:00 MST ON JUL 15	580 ON JUL 15	---	---	1953
1954	476 AT 14:00 MST ON AUG 25	430E ON JUL 9	8.788 ON APR 2	3 270 000	1954
1955	518 AT 11:00 MST ON JUL 19	507 ON JUL 19	---	---	1955
1956	419 AT 21:00 MST ON JUN 5	394 ON JUN 5	---	---	1956
1957	345 AT 18:00 MST ON JUN 8	328 ON JUN 8	---	---	1957
1958	541 AT 21:00 MST ON JUN 28	481 ON JUN 29	---	---	1958
1959	483 ON JUN 27	476 ON JUN 27	---	---	1959
1960	464 AT 21:00 MST ON JUL 1	416 ON JUL 2	---	---	1960
1961	487 AT 03:00 MST ON JUN 8	459 ON JUN 7	---	---	1961
1962	419 AT 03:00 MST ON JUN 27	385 ON JUN 27	---	---	1962
1963	416 AT 19:00 MST ON JUL 8	408 ON JUL 9	---	---	1963
1964	507 AT 08:00 MST ON JUL 10	490 ON JUL 10	---	---	1964
1965	---	580 ON JUL 8	---	---	1965
1966	595 AT 05:00 MST ON JUL 4	549 ON JUL 4	---	---	1966
1967	453 AT 10:00 MST ON JUN 18	447 ON JUN 18	---	---	1967
1968	524 AT 07:44 MST ON JUL 12	507 ON JUL 12	---	---	1968
1969	396 AT 09:04 MST ON JUN 6	382 ON JUN 6	---	---	1969
1970	493 AT 15:45 MST ON JUN 15	428 ON JUN 15	---	---	1970
1971	442 AT 17:00 MST ON JUN 6	430 ON JUN 6	---	---	1971
1972	778A AT 13:00 MST ON JUN 25	580A ON JUN 26	---	---	1972
1973	188 AT 03:00 MST ON JUL 5	184 ON MAY 18	---	---	1973
1974	207 AT 09:40 MST ON JUN 26	194 ON JUN 22	---	---	1974
1975	152 AT 02:30 MST ON JUL 18	111 ON JUL 14	---	---	1975
1976	180 AT 04:00 MST ON SEP 8	142 ON JUL 22	---	---	1976
1977	169 AT 00:00 MST ON JUN 23	166 ON JUN 23	---	---	1977
1978	225 AT 15:40 MST ON JUL 11	185 ON JUL 6	---	---	1978
				3 120 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED + - EXTREME RECORDED FOR THE PERIOD OF RECORD

NORTH SASKATCHEWAN RIVER AT WHIRLPOOL POINT - STATION NO 05DA005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	---	---	---	149	181	151	50 8	17 9	7 63	5 47	---	1970
1971	4 54	4 59	3 86	8 70	57 6	124	137	204	68 7	23 3	9 78	5 53	54 6	1971
1972	3 52	4 07	5 01	5 36	52 5	198	150	175	59 8	24 1	12 2	7 57	56 3	1972
1973	5 82	5 05	5 19	8 60	45 8	117	139	134	61 3	20 8	10 8	7 13	46 9	1973
1974	5 25	5 49	4 71	9 84	37 5	159	186	150	75 7	26 5	10 4	8 19	54 6	1974
1975	6 03	4 54	4 93	5 79	31 1	90 3	202	108	50 6	22 1	12 6	8 14	45 0	1975
1976	5 82	5 16	4 54	7 40	---	80 1	178	177	95 0	29 4	9 40	7 22	---	1976
1977	5 80	5 62	5 32	9 51	31 4	116	110	146	45 3	14 5	8 77	6 52	42 3	1977
1978	4 92	4 85	4 85	7 85	26 5	136	210	138	97 9	27 4	12 6	8 02	57 2	1978
1979	5 39	4 92	5 80	9 06	30 0	119	178	187	87 1	32 9	9 24	6 32	54 7	1979
1980	5 29	4 57	4 80	17 4	86 8	148	151	101	51 0	32 2	11 6	10 9	52 2	1980
1981	6 86	4 97	5 86	7 52	73 4	87 7	214	205	87 5	20 4	12 5	7 77	61 7	1981
1982	5 03	4 98	4 38	5 95	23 3	165	182	114	44 2	26 8	11 0	7 76	54 3	1982
1983	5 72	5 16	4 63	6 72	35 1	112	149	160	44 1	21 5	16 5	7 82	49 3	1983
1984	5 17	5 19	4 88	7 87	15 4	125	158	174	60 0	29 3	7 40	6 25	50 0	1984
1985	5 04	4 73	5 70	6 719	55 49	94 4	185	121	67 4	17 7	9 85	6 18	47 08	1985
1986	4 92	4 10	5 35	8 00	80 5	192	128	141	51 7	22 4	12 0	6 73	53 9	1986
MEAN	5 37	4 88	4 98	7 829	43 29	130	166	151	67 8	24 1	10 9	7 27	52 1	MEAN

LOCATION - LAT 52 00 06 N LONG 116 28 10 W
DRAINAGE AREA 1 920 km²
NATURAL FLOW

R - REVISED SINCE JAN 1980

NORTH SASKATCHEWAN RIVER AT WHIRLPOOL POINT - STATION NO 05DA005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1970	236 AT 05 40 MST ON JUL 9	221 ON JUL 9	---	---	1970
1971	286 AT 03 30 MST ON AUG 9	268 ON AUG 9	3 628 ON MAR 4	1 720 000	1971
1972	377 AT 16 20 MST ON JUN 11 *	365 ON JUN 11 *	3 288 ON JAN 25	1 840 000	1972
1973	303 AT 22 20 MST ON JUN 24	280 ON JUN 24	4 678 ON FEB 9	1 480 000	1973
1974	337 AT 11 35 MST ON JUN 24	331 ON JUN 24	4 478 ON MAR 26	1 720 000	1974
1975	303 AT 05 30 MST ON JUL 14	292 ON JUL 14	4 508 ON FEB 17	1 420 000	1975
1976	250 AT 07 40 MST ON AUG 4	241 ON AUG 5	---	---	1976
1977	213 AT 04 30 MST ON JUN 9	193 ON JUL 28	5 108 ON FEB 28	1 340 000	1977
1978	274 AT 02 00 MST ON JUL 28	253 ON JUL 27	4 458 ON JAN 31	1 800 000	1978
1979	278 AT 05 00 MST ON JUL 22	262 ON JUL 21	4 408 ON NOV 30	1 720 000	1979
1980	285 AT 10 24 MST ON JUN 17	2778 ON JUN 17	4 278 ON JAN 29	1 650 000	1980
1981	293 AT 13 25 MST ON JUL 28	286 ON JUL 29	4 008 ON FEB 13	1 950 000	1981
1982	---	3046 ON JUL 22	4 220 ON MAR 8	1 710 000	1982
1983	268 AT 05 35 MST ON JUL 13	249 ON JUL 13	3 91 ON APR 12	1 550 000	1983
1984	333 AT 08 05 MST ON JUN 30	303 ON JUN 30	4 508 ON JAN 21	1 580 000	1984
1985	252 AT 05 15 MST ON JUL 11	231 ON JUL 11	4 408 ON JAN 29	1 480 0000	1985
1986	319 AT 11 35 MST ON JUN 2	310 ON JUN 2	2 808 ON FEB 18 *	1 700 000	1986
				1 640 0000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1 1986

NORTH SASKATCHEWAN RIVER AT WILSON'S RANCH - STATION NO 05DA003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1916	6 05	5 55	7 40	11 8	26 2	199	223	163	101	36 0	15 2	9 63	67 6	1916
1917	9 69	5 79	5 30	5 47	18 7	108	238	162	100	---	---	---	---	1917
MEAN	8 87	5 17	6 35	8 64	22 5	154	231	173	101	36 0	15 2	9 63	67 6	MEAN

LOCATION - LAT 52 05 36 N LONG 116 25 10 W
DRAINAGE AREA 2 560 km²
NATURAL FLOW

MEAN	---	---	---	---	---	---	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 51 58 00 N LONG 116 43 00 W
DRAINAGE AREA 316 km²
NATURAL FLOW

NORTH SASKATCHEWAN RIVER AT WILSON'S RANCH - STATION NO 05DA003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1916	---	501 ON JUN 19 *	5 888 ON FEB 13 *	2 140 000	1916
1917	---	317 ON JUL 17	---	---	1917
				2 140 000	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

NORTH SASKATCHEWAN RIVER BELOW BIGHORN PLANT - STATION NO. 05DC010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	---	0.161	0.217	---	55.6	---	1972
1973	54.4	47.7	43.6	37.1	71.4	58.4	63.2	44.7	87.0	77.9	40.2	56.9	57.8	1973
1974	81.8	89.7	80.8	91.0	77.0	87.0	49.9	58.9	97.8	91.5	73.8	77.9	76.0	1974
1975	76.5	89.1	86.8	77.9	73.5	72.5	74.8	38.8	48.4	95.5	67.8	52.6	69.5	1975
1976	82.4	83.9	73.6	86.3	86.5	71.7	71.9	71.8	97.7	84.1	105	86.2	79.2	1976
1977	80.0	87.4	70.3	89.2	47.9	82.5	81.4	57.8	61.4	62.4	81.0	68.5	85.0	1977
1978	83.9	81.6	77.3	83.2	61.8	95.7	98.2	48.7	93.0	80.1	93.7	85.6	76.9	1978
1979	71.1	104	100	83.6	47.7	88.3	77.7	72.7	63.1	96.5	67.8	53.2	74.4	1979
1980	80.2	83.6	86.9	72.0	75.9	132	96.6	67.9	72.0	56.2	59.1	53.4	78.1	1980
1981	72.2	39.8	41.6	72.1	145	87.8	36.0	130	111	87.3	94.3	98.3	84.4	1981
1982	89.5	96.3	80.1	81.9	85.6	94.9	111	41.4	71.3	95.7	85.9	71.2	72.3	1982
1983	73.7	62.6	79.9	110	107	72.7	18.9	88.7	96.9	72.9	76.3	74.5	71.3	1983
1984	67.2	59.0	73.9	95.2	62.3	39.9	82.7	89.2	81.0	73.6	91.7	74.3	70.0	1984
1985	66.4	83.1	80.0	84.1	90.0	83.5	65.5	81.1	29.6	41.8	67.5	47.9	68.2	1985
1986	35.0	55.0	76.4	121	98.5	155	122	59.0	74.2	60.4	60.1	94.5	84.2	1986
MEAN	68.9	70.2	73.8	78.3	77.2	84.6	72.8	64.3	85.8	85.1	77.3	70.7	73.4	MEAN

LOCATION - LAT 52 18 38 N LONG 116 19 21 W
DRAINAGE AREA 3 690 km²
REGULATED SINCE 1972
DATA CONTRIBUTED BY - TRANSALTA UTILITIES CORPORATION

NORTH SASKATCHEWAN RIVER BELOW BIGHORN PLANT - STATION NO. 05DC010

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MINIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1972	---	---	---	---	
1973	168 AT 15 00 MST ON JUL 3	110 ON JUL 5	0.224 ON JUN 10 *	1 820 000	1973
1974	189 AT 18 45 MST ON JAN 26	161 ON JUL 4	36.3 ON JUL 14	2 400 000	1974
1975	---	132 ON JAN 7	27.7 ON AUG 5	2 190 000	1975
1976	---	131 ON SEP 13	35.7 ON JUL 10	2 500 000	1976
1977	174 AT 08 40 MST ON JAN 7 *	149 ON JUN 23	16.1 ON MAY 25	2 050 000	1977
1978	189 AT 23 00 MST ON JAN 30	163 ON JUL 9	23.2 ON JUN 14	2 420 000	1978
1979	---	130 ON APR 21	7.65 ON MAY 31	2 350 000	1979
1980	---	171 ON JUN 30 *	11.0 ON NOV 6	2 470 000	1980
1981	159 AT 14 30 MST ON JUL 23	155 ON MAY 2	0.329 ON MAR 10	2 680 000	1981
1982	167 AT 13 45 MST ON JUL 17	165 ON JUN 25	14.2 ON AUG 17	2 280 000	1982
1983	173 AT 11 00 MST ON AUG 2	162 ON APR 25	0.811 ON JUN 26	2 250 000	1983
1984	---	145 ON AUG 18	0.855 ON MAY 21	2 220 000	1984
1985	---	149 ON MAY 28	1.22 ON SEP 15	2 150 000	1985
1986	---	167 ON JUL 14	0.878 ON AUG 5	2 660 000	1986
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 320 000	MEAN

NORTH SASKATCHEWAN RIVER BELOW TERSHISHNER CREEK - STATION NO. 05DC001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1953	---	---	---	---	---	---	---	---	---	---	---	15.3	---	1953
1954	12.1	11.8	11.1	11.7	63.0	189	300	217	138	44.7	21.1	21.8	157	1954
1955	17.7	13.7	12.5	15.1	34.5	199	289	160	88.7	30.5	---	---	132	1955
1956	---	---	---	17.8	107	233	280	197	86.1	27.5	---	---	154	1956
1959	---	---	---	---	57.5	220	263	143	86.3	28.1	---	---	135	1959
1960	---	---	---	---	24.8	146	295	172	80.8	36.0	---	---	126	1960
1961	---	---	---	---	107	307	230	225	82.9	53.4	---	---	167	1961
1962	---	---	---	---	57.7	187	230	193	92.8	38.6	---	---	133	1962
1963	---	---	---	17.3	88.5	223	252	216	152	55.5	---	---	162	1963
1964	---	---	---	---	38.2	251	282	148	86.4	58.8	---	---	147	1964
1965	---	---	---	---	94.2	241	336	270	74.8	47.1	---	---	171	1965
1966	---	---	---	---	101	180	285	221	138	56.3	---	---	162	1966
1967	---	---	---	---	54.6	301	276	229	159	55.9	---	---	178	1967
1968	---	---	---	13.0	82.2	212	263	175	106	38.9	---	---	146	1968
MEAN	14.9	12.7	11.8	15.0	84.6	222	274	197	106	46.1	21.1	18.6	152	MEAN

LOCATION - LAT 52 19 00 N LONG 115 19 00 W
DRAINAGE AREA 3 890 km²
NATURAL FLOW
DATA CONTRIBUTED BY - TRANSALTA UTILITIES CORPORATION

NORTH SASKATCHEWAN RIVER BELOW TERSHISHNER CREEK · STATION NO 05DC007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1953	---	---	---	---	1953
1954	425 AT 08 30 MST ON JUL 8	416 ON JUL 8	11 38 ON MAY 1 *	2 490 000	1954
1955	481 AT 15 00 MST ON JUL 18	484 ON JUL 18	12 5 ON MAY 1	2 100 000	1955
1956	402 AT 14 00 MST ON JUN 5	388 ON JUN 5	15 8 ON MAY 3	2 440 000	1956
1959	408 AT 10 00 MST ON JUL 25	394 ON JUL 25	15 3 ON MAY 1	2 140 000	1959
1960	379 AT 10 00 MST ON JUL 8	365 ON JUL 8	16 3 ON MAY 1	2 010 000	1960
1961	467 AT 20 00 MST ON JUN 7	456 ON JUN 7	13 2 ON MAY 1	2 860 000	1961
1962	425 AT 20 00 MST ON JUN 26	396 ON JUN 26	16 2 ON MAY 8	2 120 000	1962
1963	493 AT 01 00 MST ON JUN 20	416 ON JUL 8	22 9 ON MAY 9	2 570 000	1963
1964	479 AT 03 00 MST ON JUL 10	447 ON JUL 9	16 7 ON MAY 1	2 340 000	1964
1965	586 AT 02 00 MST ON JUL 9 *	538 ON JUL 8 *	20 8 ON MAY 7	2 710 000	1965
1966	408 AT 02 00 MST ON JUL 4	379 ON JUL 4	14 4 ON MAY 1	2 580 000	1966
1967	428 AT 04 00 MST ON JUN 28	408 ON JUN 17	13 8 ON MAY 1	2 830 000	1967
1968	481 AT 18 30 MST ON JUN 27	484 ON JUN 27	19 6 ON MAY 3	2 320 000	1968
				2 410 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

NORTH SASKATCHEWAN RIVER NEAR LODGEPOLE · STATION NO 05DE006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1969	---	---	---	---	---	458	705	451	216	108	---	---	---	1969
1970	---	---	---	---	---	544	461	272	124	67 2	---	---	---	1970
1971	---	---	---	---	204	513	474	385	143	74 1	---	---	---	1971
1972	---	---	---	---	206	574	593	250	141	150	---	---	---	1972
1973	---	---	---	---	361	300	243	185	140	153	---	---	---	1973
1974	---	---	---	---	358	397	273	188	205	185	---	---	---	1974
1975	---	---	---	---	201	188	179	128	109	91 4	---	---	---	1975
1976	---	---	---	---	182	203	189	239	218	151	---	---	---	1976
1977	---	---	---	---	294	336	225	259	228	166	---	---	---	1977
MEAN	---	---	---	---	258	436	389	282	189	127	---	---	---	MEAN

LOCATION · LAT 53 03 06 N DRAINAGE AREA 20 500 km^2
LONG 115 12 33 W REGULATED SINCE 1980

NORTH SASKATCHEWAN RIVER NEAR LODGEPOLE · STATION NO 05DE006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1969	1 930 AT 15 00 MST ON JUL 6	1 720 ON JUL 6	---	---	1969
1970	1 720 AT 14 58 MST ON JUN 17	1 570 ON JUN 17	---	---	1970
1971	1 250 AT 20 00 MST ON JUN 9	1 150 ON JUN 10	---	---	1971
1972	3 570 AT 16 00 MST ON JUN 26 *	3 200 ON JUN 26 *	---	---	1972
1973	812 AT 14 30 MST ON MAY 25	515 ON MAY 28	---	---	1973
1974	1 040 AT 09 40 MST ON JUN 18	785 ON JUN 18	---	---	1974
1975	388 AT 20 00 MST ON JUN 9	---	---	---	1975
1976	484 AT 19 20 MST ON AUG 18	379 ON AUG 18	---	---	1976
1977	787 AT 13 50 MST ON MAY 30	714 ON MAY 30	---	---	1977
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

NORTH SASKATCHEWAN RIVER NEAR ROCKY MOUNTAIN HOUSE - STATION NO 05DC001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1913	---	---	---	---	---	348	381	384	210	87.7	53.8	46.1	---	1913
1914	24.0	20.6	24.4	31.6	116	306	386	253	135	90.3	49.6	24.1	211	1914
1915	23.6	21.3	19.3	41.2	186	849	639	475	197	104	56.5	38.7	371	1915
1916	29.8	32.9	31.3	59.1	125	488	459	356	251	136	86.7	44.7	299	1916
1917	36.1	26.9	27.9	63.7	280	351	399	278	167	112	55.2	27.8	285	1917
1918	25.0	23.9	22.0	67.6	108	386	324	271	171	88.5	40.8	23.0	224	1918
1919	27.2	20.0	21.4	39.2	118	202	275	312	188	88.3	44.1	28.2	191	1919
1920	29.5	23.2	19.8	33.1	226	252	529	325	143	70.0	40.7	32.0	258	1920
1921	28.1	20.8	24.9	44.3	182	305	302	249	79.1	55.9	37.3	21.5	196	1921
1922	20.6	18.1	18.5	22.8	134	333	331	367	180	87.8	48.3	23.9	238	1922
1923	21.1	17.1	18.9	43.6	111	882	467	382	218	93.5	57.7	50.8	321	1923
1924	24.2	22.0	24.0	54.5	215	290	380	342	181	73.4	45.8	23.9	247	1924
1925	19.0	18.8	19.2	94.4	166	346	380	457	287	147	84.6	42.7	294	1925
1926	30.7	34.3	39.1	95.7	110	221	372	278	440	153	82.3	36.2	262	1926
1927	27.8	25.3	27.0	73.6	109	405	473	359	196	102	45.7	38.5	274	1927
1928	34.5	29.1	42.6	67.5	183	607	520	275	152	83.1	30.4	20.6	286	1928
1929	20.1	19.7	26.0	35.1	137	333	221	252	136	59.6	28.4	20.6	189	1929
1930	19.5	22.9	24.7	85.8	128	383	384	298	183	76.2	42.5	36.9	232	1930
1931	33.8	21.8	21.0	36.7	136	337	410	---	---	---	---	---	---	1931
1944	---	---	21.1	51.3	170	470	380	391	223	119	---	---	292	1944
1945	---	---	22.4	42.8	172	290	318	281	175	126	---	---	227	1945
1946	---	---	26.9	56.5	166	399	329	234	185	83.6	---	---	224	1946
1947	---	---	25.2	80.7	176	379	403	236	183	104	---	---	243	1947
1948	---	---	25.6	64.0	414	606	338	333	140	74.5	---	---	301	1948
1949	---	---	23.3	46.3	116	172	236	207	110	52.9	---	---	149	1949
1950	---	---	18.5	58.9	80.8	406	403	253	140	85.4	---	---	219	1950
1951	---	---	17.4	80.0	213	303	452	241	181	101	---	---	248	1951
1952	---	---	37.4	126	127	480	417	330	149	81.4	---	---	283	1952
1953	---	---	20.5	47.2	168	467	421	295	184	73.1	52.2	27.0	284	1953
1954	20.0	29.0	25.9	80.8	210	445	430	411	341	117	70.8	58.2	325	1954
1955	28.7	32.4	27.7	82.6	138	352	386	213	138	89.1	33.2	24.1	214	1955
1956	22.6	19.3	21.8	47.1	147	293	327	253	127	81.1	37.8	27.8	201	1956
1957	20.8	17.4	19.6	82.6	248	272	330	208	183	87.2	47.0	33.0	200	1957
1958	35.3	30.3	29.9	84.1	285	404	416	291	185	72.1	34.8	32.9	265	1958
1959	30.5	26.1	25.6	43.5	113	402	393	213	134	75.2	55.3	36.9	221	1959
1960	24.6	26.3	33.2	65.0	109	287	408	251	116	85.9	35.6	25.2	201	1960
1961	24.7	21.9	26.1	30.2	172	383	282	302	122	82.5	37.4	34.0	225	1961
1962	26.1	24.1	19.4	43.9	122	261	330	283	151	70.6	45.8	28.0	203	1962
1963	22.5	22.4	31.7	88.1	130	348	421	308	187	88.5	37.7	29.5	249	1963
1964	29.1	25.3	21.5	36.9	191	470	415	209	180	112	57.6	24.6	255	1964
1965	24.8	25.7	20.3	66.4	132	590	601	396	236	139	76.1	52.3	348	1965
1966	42.9	33.3	32.1	42.1	166	271	447	340	182	106	66.5	42.2	254	1966
1967	35.1	25.8	27.1	67.0	129	483	383	279	186	76.8	36.1	26.5	248	1967
1968	26.7	27.4	34.0	34.3	110	295	393	285	182	81.3	45.6	34.0	218	1968
1969	32.5	25.4	26.7	89.5	201	372	389	278	137	76.9	51.0	35.7	244	1969
1970	26.6	27.6	24.5	37.4	118	414	323	223	100	55.2	25.2	23.1	205	1970
1971	17.0	20.7	19.5	82.4	169	368	285	279	119	57.6	38.6	18.3	207	1971
1972	21.1	19.3	18.4	29.2	133	558	366	132	86.3	48.5	31.4	84.5	215	1972
1973	---	---	---	---	192	188	152	97.2	133	108	---	---	145	1973
1974	---	---	---	---	208	246	162	110	138	126	---	---	183	1974
1975	---	---	---	---	118	126	132	77.3	71.2	78.8	---	---	101	1975
1976	---	---	---	---	107	119	130	144	133	116	---	---	125	1976
1977	---	---	---	---	145	152	118	121	114	96.8	---	---	125	1977
1978	---	---	---	---	137	261	214	130	138	126	---	---	186	1978
1979	---	---	---	---	118	182	133	118	93.7	88.0	---	---	119	1979
1980	---	---	---	---	141	328	191	131	124	80.1	---	---	187	1980
1981	---	---	---	---	280	170	278	288	174	126	---	---	216	1981
1982	---	---	---	---	121	209	266	91.4	119	110	---	---	153	1982
1983	---	---	---	138	171	152	122	95.2	88.4	97.1	92.7	---	121	1983
1984	---	---	---	122	85.0	139	122	124	89.7	---	---	---	---	1984
1985	---	---	---	---	150	182	119	132	146	114	---	---	137	1985
1986	---	---	---	183	218	273	333	140	151	130	---	---	208	1986
MEAN	26.3	24.1	25.0	80.6	159	338	336	255	160	91.0	48.9	32.8	224	MEAN

LOCATION - LAT 52 22 51 N DRAINAGE AREA, 11 000 km²
LONG 114 55 21 W REGULATED SINCE 1972

NORTH SASKATCHEWAN RIVER NEAR ROCKY MOUNTAIN HOUSE - STATION NO 05DC001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1913	---	846 ON AUG 13	---	---	1913
1914	---	810 ON JUN 7	53.5 ON MAY 1	3 350 000	1914
1915	4 110E ON JUN 27 *	3 880E ON JUN 27 *	58.0 ON MAY 1	5 900 000	1915
1916	---	1 080 ON JUN 20	88.0 ON MAY 1	4 780 000	1916
1917	---	551 ON JUN 3	64.38 ON OCT 31	4 210 000	1917
1918	---	753 ON JUN 15	51.0 ON OCT 31	3 580 000	1918
1919	---	447 ON JUN 23	48.0 ON MAY 3	3 030 000	1919
1920	---	614 ON JUL 3	49.38 ON MAY 4	4 110 000	1920
1921	---	479 ON JUN 26	47.5 ON OCT 29	3 110 000	1921
1922	---	564 ON AUG 17	56.88 ON MAY 4	3 780 000	1922
1923	1 270 ON JUN 16	1 280 ON JUN 14	48.48 ON MAY 5	5 100 000	1923
1924	---	674 ON JUL 4	82.7 ON OCT 24	3 930 000	1924
1925	---	1 030 ON AUG 17	55.8 ON MAY 1	4 880 000	1925
1926	---	578 ON SEP 2	88.3 ON MAY 12	4 180 000	1926
1927	---	784 ON JUN 27	80.0 ON MAY 5	4 260 000	1927
1928	---	900 ON JUN 23	48.18 ON OCT 30	4 700 000	1928
1929	---	850 ON JUN 3	52.4 ON OCT 25	3 010 000	1929
1930	---	575 ON JUL 16	47.9 ON OCT 31	3 680 000	1930
1931	---	682 ON JUN 19	49.8 ON MAY 1	---	1931
1944	971 ON JUN 15	937 ON JUN 15	42.8 ON MAY 4	4 840 000	1944
1945	---	447 ON MAY 31	27.9 ON MAY 1 *	3 810 000	1945
1946	---	719 ON MAY 29	43.6 ON OCT 31	3 580 000	1946
1947	---	960 ON JUN 11	86.4 ON OCT 31	3 870 000	1947
1948	---	1 170 ON MAY 24	55.5 ON OCT 31	4 780 000	1948
1949	---	408 ON JUL 17	36.2 ON MAY 7	2 370 000	1949
1950	---	1 030 ON JUN 15	34.3 ON MAY 8	3 480 000	1950
1951	---	800 ON JUN 16	70.5 ON OCT 28	3 950 000	1951
1952	1 990 AT 22 00 MST ON JUN 23	1 600 ON JUN 24	41.9A ON MAY 8	4 200 000	1952
1953	742 AT 23 00 MST ON JUL 15	711 ON JUN 14	81.2 ON OCT 29	4 200 000	1953
1954	1 280 AT 10 00 MST ON AUG 26	1 080 ON AUG 26	66.88 ON MAY 11	5 170 000	1954
1955	586 AT 20 00 MST ON JUL 19	583 ON JUL 18	47.98 ON OCT 31	3 400 000	1955
1956	464 AT 05 00 MST ON JUN 6	439 ON JUN 6	40.2A ON MAY 4	3 200 000	1956
1957	422 AT 12 00 MST ON JUN 9	419 ON JUN 9	51.38 ON OCT 24	3 180 000	1957
1958	---	714 ON JUN 28	52.1 ON OCT 31	4 220 000	1958
1959	778 AT 12 00 MST ON JUN 27	719 ON JUN 27	46.1 ON MAY 6	3 510 000	1959
1960	809 AT 01 00 MST ON JUL 2	558 ON JUL 2	45.0 ON MAY 1	3 200 000	1960
1961	666 AT 08 30 MST ON JUN 8	541 ON JUN 8	31.1 ON MAY 1	3 580 000	1961
1962	504 AT 03 00 MST ON AUG 6	473 ON AUG 6	44.2 ON MAY 9	3 230 000	1962
1963	680 AT 04 00 MST ON JUL 16	648 ON JUL 16	52.78 ON OCT 31	3 980 000	1963
1964	790 AT 08 00 MST ON JUN 19	776 ON JUN 19	58.9 ON MAY 1	4 080 000	1964
1965	1 460 AT 18 30 MST ON JUN 18	1 050 ON JUN 19	60.0 ON MAY 8	5 540 000	1965
1966	835 AT 08 00 MST ON JUL 4	733 ON JUL 4	46.2 ON MAY 1	4 040 000	1966
1967	826 AT 12 00 MST ON JUN 18	817 ON JUN 18	45.38 ON MAY 2	3 950 000	1967
1968	558 AT 05 50 MST ON JUN 26	547 ON JUL 11	53.2 ON MAY 8	3 480 000	1968
1969	963 AT 10 08 MST ON JUL 6	906 ON JUL 6	55.28 ON OCT 30	3 880 000	1969
1970	1 290 AT 11 50 MST ON JUN 17	1 120 ON JUN 17	36.88 ON OCT 28	3 280 000	1970
1971	---	738A ON JUN 6	37.7 ON OCT 29	3 300 000	1971
1972	1 880 AT 22 00 MST ON JUN 25	1 470 ON JUN 26	34.6 ON OCT 30	3 420 000	1972
1973	348 AT 13 00 MST ON MAY 28	311 ON MAY 18	66.8 ON MAY 1	2 300 000	1973
1974	351 AT 18 30 MST ON JUN 28	340 ON JUN 28	85.2 ON AUG 3	2 590 000	1974
1975	191 AT 11 00 MST ON JUL 18	170 ON JUL 14	59.7 ON SEP 16	1 800 000	1975
1976	212 AT 06 30 MST ON AUG 11	199 ON AUG 10	73.3 ON MAY 19	1 930 000	1976
1977	244 AT 08 30 MST ON MAY 30	229 ON MAY 30	75.3 ON MAY 1	1 880 000	1977
1978	323 AT 04 30 MST ON JUL 12	292 ON JUN 17	84.1 ON OCT 8	2 830 000	1978
1979	214 AT 11 00 MST ON MAY 27	202 ON JUN 5	71.9 ON JUN 1	1 880 000	1979
1980	679 AT 09 00 MST ON JUN 5	575 ON JUN 5	77.4 ON OCT 23	2 850 000	1980
1981	633 AT 07 48 MST ON JUL 25	606 ON JUL 25	82.0 ON JUL 13	3 440 000	1981
1982	654 AT 08 36 MST ON JUL 6	548 ON JUL 6	59.0 ON AUG 18	2 430 000	1982
1983	---	209 ON MAY 6	64.6 ON AUG 9	1 930 000	1983
1984	241 AT 07 36 MST ON OCT 6	205 ON JUL 20	---	---	1984
1985	350 AT 06 31 MST ON SEP 14	337 ON SEP 14	84.3 ON MAY 17	2 180 000	1985
1986	773 AT 11 53 MST ON JUL 18	753 ON JUL 18	95.3 ON OCT 17	3 310 000	1986
				3 570 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

NOSE CREEK AT CALGARY - STATION NO 05BH003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	0.584	0.859	0.248	0.408	0.279	0.210	---	---	---	1911
1912	---	---	---	0.844	1.06	0.494	1.27	0.782	1.55	0.810	---	---	---	1912
1913	---	---	---	---	1.59	1.25	1.09	0.519	0.425	0.307	---	---	---	1913
1914	---	---	---	---	---	0.436	0.219	0.126	0.157	0.293	---	---	---	1914
1915	---	---	---	0.335	0.949	3.95	8.84	9.75	3.88	3.06	---	---	---	1915
1916	---	---	---	2.83	3.55	5.36	6.02	5.18	5.86	3.80	---	---	---	1916
1917	---	---	---	---	5.14	4.56	1.28	0.945	1.01	0.898	---	---	---	1917
1918	---	---	---	1.53	0.550	0.449	0.227	0.184	0.173	0.188	---	---	---	1918
1919	---	---	---	1.03	0.745	0.141	0.082	0.524	0.133	0.138	---	---	---	1919
1972	---	---	---	---	---	---	---	0.075	0.075	0.102	---	---	---	1972
1973	---	---	2.46	0.880	0.277	0.200	0.088	0.034	0.069	0.065	---	---	0.511	1973
1974	---	---	0.223	3.82	2.25	0.310	0.068	0.050	0.085	0.100	---	---	0.857	1974
1975	---	---	0.028	0.728	0.309	0.116	0.021	0.023	0.039	0.042	---	---	0.182	1975
1976	---	---	0.329	0.206	0.058	0.043	0.019	0.061	0.015	0.023	---	---	0.094	1976
1977	---	---	0.101	0.084	0.077	0.032	0.021	0.018	0.072	0.040	---	---	0.056	1977
1978	---	---	2.35	0.560	0.173	0.186	0.038	0.177	0.123	0.043	---	---	0.458	1978
1979	---	---	0.482	0.254	0.188	0.072	0.016	0.021	0.006	0.013	---	---	0.133	1979
1980	---	---	0.454	1.15	0.311	0.412	0.184	0.088	0.083	0.047	---	---	0.334	1980
1981	---	---	0.188	0.076	0.461	0.219	0.284	0.100	0.053	0.054	---	---	0.178	1981
1982	---	---	0.312	1.10	0.275	0.254	0.304	0.038	0.055	0.034	---	---	0.294	1982
1983	---	---	0.094	0.359	0.219	0.084	0.146	0.031	0.014	0.021	---	---	0.121	1983
1984	---	---	0.161	0.186	0.089	0.148	0.017	0.011	0.141	0.044	---	---	0.097	1984
1985	---	---	0.375	0.210	0.103	0.051	0.040	0.074	0.802	0.107	---	---	0.194	1985
1986	---	---	0.265	0.103	0.802	0.178	0.597	0.185	0.840	0.587	---	---	0.443	1986
MEAN	---	---	0.557	0.846	0.898	0.861	0.917	0.808	0.680	0.456	---	---	0.281	MEAN

LOCATION - LAT 51 07 20 N LONG 114 02 45 W DRAINAGE AREA, 893 km² NATURAL FLOW

NOSE CREEK AT CALGARY - STATION NO 05BH003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	---	---	1911
1912	---	---	---	---	1912
1913	---	---	---	---	1913
1914	---	---	---	---	1914
1915	---	---	---	---	1915
1916	---	32.8 ON MAY 31 *	---	---	1916
1917	---	26.8 ON MAY 18	---	---	1917
1918	---	---	---	---	1918
1919	---	---	---	---	1919
1972	---	---	---	---	1972
1973	---	8.10 B ON MAR 22	0 ON AUG 21 *	10 800	1973
1974	---	9.32 B ON APR 10	0 B ON MAR 9	18 100	1974
1975	5.21 B AT 11 30 MST ON APR 13	3.31 B ON APR 13	0 ON JUL 15	3 430	1975
1976	3.00 B AT 07 45 MST ON MAR 19	1.85 B ON MAR 19	0 ON JUL 1	1 990	1976
1977	0.4878 AT 16 00 MST ON APR 5	0.1938 ON MAR 14	0 ON JUL 26	1 180	1977
1978	12.0 AT 01 00 MST ON MAR 27	10.2 ON MAR 27	0 B ON MAR 1	8 700	1978
1979	3.23 B AT 23 00 MST ON MAR 7	2.28 B ON MAR 8	0 B ON MAR 1	2 810	1979
1980	5.29 AT 22 00 MST ON MAY 25	4.06 B ON APR 5	0 B ON MAR 1	7 080	1980
1981	5.23 AT 20 30 MST ON JUL 14	2.05 ON MAY 7	0.010 ON SEP 18	3 770	1981
1982	6.47 B AT 05 08 MST ON APR 12	5.57 B ON APR 12	0 B ON MAR 1	6 230	1982
1983	3.78 AT 21 57 MST ON APR 24	1.66 ON APR 25	0.0018 ON MAR 8	2 550	1983
1984	---	0.4858 ON MAR 25	0.001 ON JUL 3	2 040	1984
1985	18.0 AT 11 23 MST ON SEP 12 *	5.68 ON SEP 13	0 ON JUL 4	4 100	1985
1986	8.40 AT 04 32 MST ON SEP 26	5.57 ON SEP 26	0.030 ON JUN 20	9 380	1986
				5 940	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

NOSE CREEK NEAR THE MOUTH - STATION NO 05BH801

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	---	---	---	---	0.442	0.200	0.227	0.203	---	---	---	1980
1981	---	---	---	0.176	1.34	0.846	1.16	0.260	0.253	0.234	---	---	0.851	1981
1982	---	---	---	---	0.700	0.611	0.776	0.311	0.466	0.191	---	---	0.509	1982
1983	---	---	---	---	0.278	---	---	---	---	---	---	---	---	1983
1984	---	---	---	---	---	0.720	0.152	0.140	0.750	0.178	---	---	---	1984
1985	---	---	---	---	0.236	0.288	0.373	---	---	---	---	---	---	1985
1986	---	---	---	0.236	1.38	0.868	1.62	0.330	2.16	0.904	---	---	1.16	1986
MEAN	---	---	---	0.206	0.789	0.587	0.737	0.248	0.771	0.342	---	---	0.773	MEAN

LOCATION - LAT 51 03 00 N LONG 114 01 00 W DRAINAGE AREA, 986 km² NATURAL FLOW DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

NOSE CREEK NEAR THE MOUTH - STATION NO 05BH901

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1980	---	---	---	---	1980
1981	18.7 AT 20:30 MST ON JUL 14	7.98 ON MAY 7	0.070 ON AUG 26 *	10 400	1981
1982	20.6 AT 01:40 MST ON JUN 30	5.10 ON JUN 30	0.120 ON SEP 25	8 090	1982
1983	---	---	---	---	1983
1984	14.9 AT 03:20 MST ON MAY 27	6.02 ON JUN 8	---	---	1984
1985	---	---	---	---	1985
1986	24.6 AT 13:00 MST ON SEP 25 *	15.9 ON JUL 17 *	0.101 ON MAY 2	18 400	1986
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		12 300	MEAN

NOTIKEWIN RIVER AT MANNING - STATION NO 07HC001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1961	---	---	---	---	51.9	30.8	11.1	0.786	0.052	0.306	0.255	0.151	---	1961
1962	0.090	0.055	0.133	18.1	84.6	34.1	38.8	35.6	14.4	5.44	4.93	0.578	18.2	1962
1963	0.311	0.754	0.937	71.6	121	10.8	53.3	22.4	5.84	2.41	0.543	0.812	24.4	1963
1984	0.258	0.281	0.268	11.1	149	17.6	25.2	74.1	8.29	4.86	2.44	0.889	24.8	1984
1985	0.189	0.179	0.236	59.5	43.2	18.0	3.77	0.834	1.62	2.88	1.90	0.310	11.0	1985
1986	0.016	0.013	0.103	7.98	34.3	3.45	11.6	3.03	3.00	1.30	0.416	0.107	5.51	1986
1987	0.071	0.080	0.043	0.536	103	14.9	2.52	2.81	0.435	1.54	0.517	0.182	10.7	1987
1988	0.104	0.148	0.586	8.92	47.1	21.2	20.6	20.3	5.50	5.00	3.05	0.573	11.2	1988
1989	0.144	0.039	0.057	54.7	73.0	---	---	1.08	15.9	12.4	3.03	0.884	---	1989
1970	0.077	0.005	0.026	13.4	31.9	15.3	29.0	4.62	1.21	2.08	0.374	0.002	8.22	1970
1971	0.029	0.006	0.086	27.8	26.7	51.9	34.7	10.8	3.81	3.50	1.37	0.713	13.5	1971
1972	0.160	0.181	0.194	9.78	140	14.0	73.4	24.5	3.74	5.08	3.47	1.01	23.3	1972
1973	0.640	0.321	0.452	37.8	92.0	73.5	20.2	19.0	13.2	7.42	2.80	1.01	22.4	1973
1974	0.580	0.333	0.305	62.9	143	18.8	16.6	18.6	14.0	11.9	2.81	0.735	24.4	1974
1975	0.248	0.187	0.188	9.92	38.8	21.4	14.4	1.70	5.61	1.37	0.643	0.208	7.93	1975
1976	0.201	0.178	0.108	18.4	23.6	36.4	31.9	47.7	11.1	4.83	1.50	0.407	14.8	1976
1977	0.458	0.532	0.394	20.0	40.0	111	19.4	9.34	9.01	10.3	1.98	0.487	18.5	1977
1978	0.279	0.166	0.112	11.1	101	15.4	2.91	1.95	12.8	6.51	1.33	0.538	13.0	1978
1979	0.226	0.180	0.182	3.22	86.6	79.9	39.0	9.86	6.22	2.80	0.633	0.138	19.2	1979
1980	0.007	0.001	0.038	4.04	4.74	7.72	10.8	7.58	13.0	8.86	3.65	0.242	5.05	1980
1981	0.028	0.122	0.401	16.9	63.3	15.9	5.73	1.30	0.264	0.529	0.586	0.316	8.87	1981
1982	0.082	0.029	0.030	4.83	65.9	5.17	0.915	11.4	2.77	2.16	0.516	0.387	7.97	1982
1983	0.184	0.100	0.101	21.0	25.3	39.2	43.2	10.5	4.50	3.44	1.11	0.146	12.5	1983
1984	0.029	0.006	0.117	10.2	57.5	32.1	54.2	7.49	10.3	4.85	1.86	0.570	15.0	1984
1985	0.180	0.088	0.186	11.8	40.0	8.96	4.39	1.15	9.76	11.0	1.35	0.425	7.49	1985
1986	0.210	0.158	0.335	14.2	58.3	7.42	23.1	4.80	1.07	3.33	0.727	0.274	8.81	1986
MEAN	0.180	0.166	0.222	21.2	66.4	28.2	23.6	13.6	6.83	4.85	1.69	0.441	14.1	MEAN

LOCATION - LAT 56 55 10 N LONG 117 37 05 W
DRAINAGE AREA 4 680 km^2
NATURAL FLOW

NOTIKEWIN RIVER AT MANNING - STATION NO 07HC001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1961	---	114 ON MAY 20	0 ON SEP 23 *	---	1961
1962	---	123 ON MAY 22	0.8 ON FEB 27	575 000	1962
1963	---	433 ON JUL 25	0.0238 ON JAN 22	770 000	1963
1964	---	504 ON MAY 23 *	0.1388 ON JAN 23	784 000	1964
1965	---	253 ON APR 29	0.0578 ON DEC 31	348 000	1965
1966	---	108 ON MAY 12	0.0088 ON JAN 30	174 000	1966
1967	219 AT 09:00 MST ON MAY 8	217 ON MAY 18	0.0088 ON JAN 5	337 000	1967
1968	97.4 AT 08:00 MST ON JUL 31	95.1 ON JUL 31	0.0458 ON JAN 12	353 000	1968
1969	334 AT 14:40 MST ON MAY 1	317 ON MAY 1	0.0238 ON FEB 20	---	1969
1970	197 AT 02:00 MST ON JUL 2	174 ON JUL 2	0.8 ON DEC 1	259 000	1970
1971	---	217 ON JUN 28	0.0038 ON JAN 30	424 000	1971
1972	487 AT 13:30 MST ON JUL 12 *	459 ON JUL 12	0.0768 ON JAN 25	736 000	1972
1973	233 AT 11:00 MST ON JUN 19	217 ON JUN 19	0.2278 ON FEB 25	707 000	1973
1974	317 AT 10:00 MST ON APR 27	306 ON MAY 9	0.2278 ON MAR 14	789 000	1974
1975	90.9 AT 05:00 MST ON JUN 30	85.0 ON JUN 30	0.1428 ON DEC 15	250 000	1975
1976	186 AT 15:00 MST ON AUG 19	179 ON AUG 19	0.0598 ON MAR 3	457 000	1976
1977	464 AT 03:00 MST ON JUN 5	422 ON JUN 4	0.2838 ON MAR 21	585 000	1977
1978	418 AT 12:30 MST ON MAY 24	405 ON MAY 24	0.0998 ON MAR 5	411 000	1978
1979	197 AT 22:00 MST ON JUN 1	190 ON JUN 1	0.0308 ON DEC 20	806 000	1979
1980	34.0 AT 16:00 MST ON SEP 28	33.4 ON SEP 28	0.8 ON FEB 13	160 000	1980
1981	175 AT 12:00 MST ON MAY 3	172 ON MAY 3	0.0058 ON FEB 11	280 000	1981
1982	116 AT 18:00 MST ON MAY 14	113 ON MAY 15	0.0258 ON JAN 23	252 000	1982
1983	175 AT 19:00 MST ON JUN 21	175 A ON JUN 21	0.0778 ON DEC 31	384 000	1983
1984	238 AT 05:00 MST ON MAY 23	230 ON MAY 23	0.0018 ON MAR 4	475 000	1984
1985	111 AT 21:30 MST ON MAY 5	104 ON MAY 5	0.0788 ON FEB 7	235 000	1985
1986	119 AT 14:30 MST ON MAY 13	117 ON MAY 13	0.1378 ON FEB 26	303 000	1986
				444 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

OLDMAN CREEK NEAR HINTON - STATION NO. 07AD006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	0.071	0.072	0.083	0.191	---	---	---	1972
1973	---	---	---	---	0.842	0.222	0.075	0.084	0.045	---	---	---	---	1973
1974	---	---	---	0.109	0.545	0.063	0.080	0.090	---	---	---	---	---	1974
MEAN	---	---	---	0.109	0.544	0.143	0.075	0.082	0.084	0.191	---	---	---	MEAN

LOCATION - LAT 53 32 00 N DRAINAGE AREA, 18.1 km²
LONG 117 41 00 W NATURAL FLOW

OLDMAN CREEK NEAR HINTON - STATION NO. 07AD006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1972	---	---	---	---	1972
1973	3.20 AT 20:30 MST ON JUN 24 *	1.86 ON MAY 14 *	---	---	1973
1974	1.56 AT 21:00 MST ON MAY 6	1.18 ON MAY 7	---	---	1974
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

OLDMAN RIVER AT THE GAP - STATION NO. 05AA021

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	---	---	---	12.7	7.13	3.66	3.12	2.84	---	---	---	1944
1945	---	---	---	---	29.9	79.6	---	---	---	---	---	---	---	1945
1946	---	---	---	---	30.4	46.8	17.0	6.66	8.46	5.83	---	---	---	1946
1947	---	---	---	---	50.6	35.3	12.9	9.39	8.03	9.47	---	---	---	1947
1948	---	---	---	---	73.9	74.8	16.6	10.3	6.45	4.80	---	---	---	1948
1949	---	---	---	---	25.6	22.7	8.82	4.42	4.42	---	---	---	---	1949
MEAN	---	---	---	---	42.1	45.2	12.5	6.89	6.10	5.89	---	---	---	MEAN

LOCATION - LAT 49 52 05 N DRAINAGE AREA, 1 200 km²
LONG 114 21 35 W NATURAL FLOW

OLDMAN RIVER AT THE GAP - STATION NO. 05AA021

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1944	---	21.8 ON MAY 20	---	---	1944
1945	---	---	---	---	1945
1946	---	96.6 ON MAY 29	---	---	1946
1947	---	102 ON MAY 10	---	---	1947
1948	---	268 ON MAY 23 *	---	---	1948
1949	---	51.5 ON MAY 22	---	---	1949
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

OLDMAN RIVER NEAR BROCKET - STATION NO. 05AA024

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	41.6	129	141	52.7	22.2	14.3	11.7	8.84	8.11	---	1966
1967	7.95	8.34	12.4	16.6	210	305	75.0	20.7	10.9	9.74	10.9	8.03	57.6	1967
1968	8.81	9.52	11.6	15.9	102	133	50.4	22.7	26.6	31.6	19.9	12.6	36.8	1968
1969	12.6	11.2	14.4	73.2	131	167	83.3	19.3	13.1	12.4	11.4	7.17	46.4	1969
1970	8.10	8.84	7.06	11.5	128	149	36.8	13.7	10.9	10.1	8.21	8.73	32.7	1970
1971	8.14	11.2	8.11	31.0	171	156	51.6	19.3	13.2	13.2	8.98	8.02	41.7	1971
1972	8.85	8.49	35.5	48.4	242	256	86.1	42.3	25.5	22.8	12.7	7.48	66.1	1972
1973	11.2	10.1	11.7	19.3	94.4	92.5	29.8	13.6	10.5	9.18	7.72	7.08	26.5	1973
1974	9.73	9.47	14.8	48.2	167	245	71.5	30.9	17.3	11.4	10.1	7.87	53.6	1974
1975	8.92	8.05	7.08	21.8	128	275	98.0	32.8	18.1	18.1	19.5	20.6	54.5	1975
1976	11.2	11.2	13.3	39.7	143	79.5	48.5	90.8	26.1	15.0	10.2	7.47	41.5	1976
1977	8.78	7.24	8.20	21.2	44.9	34.5	12.6	13.4	16.4	11.9	7.59	7.63	16.7	1977
1978	8.16	8.19	27.8	30.6	138	142	80.7	28.7	20.8	15.4	9.72	8.89	43.0	1978
1979	8.87	8.63	16.3	25.4	131	101	30.3	15.3	10.3	8.07	4.46	7.92	30.4	1979
1980	4.23	5.59	6.77	47.9	124	103	26.6	15.7	17.2	14.3	12.2	10.4	33.1	1980
1981	14.6	13.1	12.9	33.0	214	157	69.7	26.8	13.7	11.6	8.05	7.12	48.7	1981
1982	3.93	5.19	7.46	16.7	85.3	134	51.2	15.4	11.9	13.1	8.01	7.68	30.0	1982
1983	6.85	9.16	9.41	23.9	84.6	76.4	40.7	14.9	8.54	7.51	9.58	5.52	24.8	1983
1984	8.76	7.48	6.28	18.4	60.5	83.2	29.5	12.2	9.34	10.9	8.35	5.41	20.8	1984
1985	4.84	4.28	6.38	25.7	88.3	70.3	18.2	13.3	35.1	40.3	29.3	14.3	29.3	1985
1986	9.62	28.2	38.6	56.6	143	113	27.8	13.1	16.4	27.7	15.1	11.3	41.6	1986
MEAN	7.70	8.12	13.7	31.7	131	144	51.1	23.7	16.4	15.5	11.5	9.11	38.8	MEAN

LOCATION - LAT 49 33 27 N DRAINAGE AREA, 4 600 km²
LONG 113 49 20 W NATURAL FLOW

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	263 AT 07:30 MST ON JUN 5	252 ON JUN 5	---	---	1966
1967	739 AT 22:00 MST ON MAY 30	634 ON MAY 31	5.668 ON DEC 19	1 830 000	1967
1968	357 AT 13:00 MST ON MAY 23	297 ON MAY 23	5.078 ON JAN 27	1 180 000	1968
1969	538 AT 14:30 MST ON JUN 26	467 ON JUN 26	5.388 ON DEC 26	1 480 000	1969
1970	402 AT 01:46 MST ON JUN 14	351 ON JUN 14	4.568 ON JAN 16	1 030 000	1970
1971	331 AT 09:30 MST ON MAY 28	314 ON MAY 28	4.288 ON JAN 13	1 310 000	1971
1972	716 A ON JUN 1	651 A ON JUN 1	2.178 ON DEC 9	2 090 000	1972
1973	212 AT 10:20 MST ON MAY 18	199 ON MAY 18	2.988 ON DEC 31	836 000	1973
1974	408 AT 08:35 MST ON JUN 18	374 ON JUN 17	5.848 ON JAN 1	1 690 000	1974
1975	1 560 AT 07:30 MST ON JUN 20 *	1 220 ON JUN 20 *	5.418 ON FEB 1	1 720 000	1975
1976	326 AT 06:20 MST ON AUG 6	289 ON AUG 6	4.188 ON DEC 30	1 310 000	1976
1977	77.0 AT 19:45 MST ON MAY 11	68.5 ON MAY 12	2.978 ON NOV 21	495 000	1977
1978	247 AT 11:25 MST ON JUN 6	238 ON JUN 6	4.258 ON MAR 3	1 380 000	1978
1979	282 AT 08:00 MST ON MAY 27	269 ON MAY 27	2.138 ON NOV 30	980 000	1979
1980	272 AT 00:00 MST ON MAY 27	249 ON MAY 27	2.848 ON JAN 11	1 050 000	1980
1981	518 AT 14:30 MST ON MAY 22	477 ON MAY 22	1.98 ON NOV 26 *	1 540 000	1981
1982	189 AT 06:05 MST ON MAY 26	181 ON MAY 26	2.768 ON JAN 16	948 000	1982
1983	185 AT 00:00 MST ON MAY 27	170 ON MAY 26	2.258 ON DEC 2	783 000	1983
1984	144 AT 10:40 MST ON MAY 31	132 ON MAY 31	2.848 ON NOV 27	859 000	1984
1985	159 AT 09:45 MST ON JUN 8	143 ON MAY 26	3.828 ON FEB 9	924 000	1985
1986	345 AT 11:40 MST ON MAY 29	332 ON MAY 29	4.508 ON FEB 23	1 310 000	1986
				1 220 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

OLDMAN RIVER NEAR COWLEY - STATION NO 05AA001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	---	---	---	27.1	8.81	5.28	5.11	---	---	---	1908
1909	---	---	---	---	40.6	96.1	---	19.3	7.15	5.05	---	---	---	1909
1910	---	---	---	---	---	24.4	9.18	5.41	6.78	9.18	---	---	---	1910
1911	2.75	3.31	3.10	10.4	35.6	58.1	18.0	22.9	28.2	10.5	7.16	5.18	17.0	1911
1912	2.39	2.42	8.81	15.3	23.4	53.9	28.9	15.4	7.17	6.31	5.77	4.16	14.5	1912
1913	3.16	3.30	2.94	20.2	48.4	48.7	17.0	15.5	9.42	8.02	7.22	4.97	15.8	1913
1914	3.45	2.55	2.74	10.5	38.1	36.1	17.1	7.86	5.73	12.7	10.6	4.38	12.7	1914
1915	4.87	2.99	2.96	14.0	65.3	69.4	38.0	19.6	11.6	11.5	9.12	4.22	21.2	1915
1916	3.20	21.7	12.1	18.1	41.2	98.5	52.6	13.9	13.3	8.18	5.49	2.86	24.2	1916
1917	3.36	2.98	2.82	9.58	57.6	75.9	26.0	11.0	6.46	4.23	3.80	2.99	17.3	1917
1918	3.60	1.26	2.84	12.4	27.1	41.7	11.8	8.81	6.67	6.76	4.06	2.56	10.8	1918
1919	2.45	2.47	2.78	14.1	43.1	28.2	9.42	5.11	3.36	3.29	2.75	3.06	10.0	1919
1920	2.18	2.53	3.87	8.48	44.7	88.5	36.2	8.81	4.81	4.37	3.91	3.03	16.0	1920
1921	2.76	3.06	3.27	10.9	42.8	41.3	12.0	4.71	3.21	3.22	2.85	1.80	11.0	1921
1922	1.83	1.69	1.74	5.34	41.6	49.8	15.9	6.19	4.33	3.76	3.25	1.92	11.5	1922
1923	2.05	2.18	2.89	6.82	52.0	129	31.2	10.8	5.82	4.57	3.21	2.57	21.1	1923
1924	1.87	2.66	2.47	8.27	39.2	59.5	18.1	17.6	5.84	4.48	2.89	2.80	13.6	1924
1925	2.62	2.74	5.18	23.0	51.0	41.4	12.0	5.10	5.69	7.39	5.74	5.01	14.0	1925
1926	3.95	4.07	4.26	16.2	13.3	26.8	14.3	5.98	24.7	22.3	8.91	4.91	12.8	1926
1927	3.10	2.66	3.27	17.4	48.9	92.5	29.0	22.8	39.2	21.2	9.62	5.89	24.8	1927
1928	7.46	5.20	7.39	15.4	52.8	56.1	52.8	13.0	10.5	15.3	7.85	3.90	20.7	1928
1929	2.83	2.84	5.20	7.33	37.6	78.8	14.0	5.37	4.02	3.88	2.80	2.89	14.0	1929
1930	2.28	5.61	4.10	18.6	41.3	52.1	17.9	6.17	4.83	3.65	2.35	1.95	13.4	1930
1931	1.72	1.72	2.49	3.32	---	---	---	---	---	---	---	---	---	1931
1944	---	---	---	---	---	---	---	---	---	---	2.28	1.45	---	1944
1945	1.21	1.20	1.77	2.58	---	---	---	---	---	---	4.38	2.75	---	1945
1946	2.45	3.28	3.80	10.0	---	---	---	---	---	---	4.74	3.83	---	1946
1947	3.53	3.48	6.84	19.8	---	---	---	---	---	---	---	---	---	1947
1948	---	2.47	3.86	15.7	---	---	---	---	---	---	4.30	3.20	---	1948
1949	2.13	1.90	1.78	6.17	---	---	---	---	---	---	---	---	---	1949
MEAN	2.93	3.54	4.06	12.3	42.2	60.3	23.0	11.3	9.73	8.04	5.20	3.39	15.8	MEAN

LOCATION - LAT 49 36 23 N, LONG 114 02 43 W DRAINAGE AREA 1 940 km^2 NATURAL FLOW

OLDMAN RIVER NEAR COWLEY - STATION NO. 05AA001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1904	---	---	---	---	
1905	---	235 ON JUN 2	---	---	1905
				---	1906
1910	---	---	---	---	1909
1911	---	---	---	---	1910
1912	---	158 ON MAY 15	1.84 ON MAR 14	535 000	1911
1913	---	200 ON JUN 15	2.18 B ON JAN 10	459 000	1912
1914	---	87.4 ON MAY 13	2.10 B ON MAR 25	468 000	1913
		57.2 ON JUN 4	2.36 B ON MAR 4	400 000	1914
1915	---	123 ON JUN 27	1.47 B ON MAR 10	889 000	1915
1916	---	170 ON JUN 19	2.12 ON MAR 1	784 000	1916
1917	---	114 ON MAY 16	1.70 B ON DEC 25	545 000	1917
1918	---	89.2 ON JUN 10	0.7938 ON FEB 17 o	341 000	1918
1919	---	85.0 ON MAY 29	0.9638 ON NOV 12	316 000	1919
1920	---	105 ON JUN 16	0.8788 ON JAN 11	507 000	1920
1921	---	82.7 ON MAY 26	1.02 B ON DEC 23	347 000	1921
1922	---	85.2 ON JUN 6	1.10 B ON FEB 16	381 000	1922
1923	---	628 ON MAY 31 o	1.03 B ON DEC 2	884 000	1923
1924	---	78.3 ON JUN 8	1.30 B ON JAN 17	421 000	1924
1925	---	102 ON MAY 22	2.21 B ON JAN 29	442 000	1925
1926	---	74.5 ON JUN 23	2.83 B ON APR 4	393 000	1926
1927	---	177 ON JUN 11	2.56 B ON FEB 17	777 000	1927
1928	---	187 ON JUL 3	3.20 B ON DEC 31	855 000	1928
1929	---	419 ON JUN 2	2.32 B ON NOV 18	441 000	1929
1930	---	83.0 ON JUN 8	1.64 B ON DEC 19	423 000	1930
1931	---	---	---	---	1931
1944	---	---	---	---	1944
1945	---	---	---	---	1945
1946	---	---	---	---	1946
1947	---	53.02 ON APR 30	3.03 B ON FEB 1	---	1947
1948	---	---	---	---	1948
1949	---	12.3 ON APR 29	1.47 B ON MAR 16	---	1949
				498 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
o - EXTREME RECORDED FOR THE PERIOD OF RECORD

OLDMAN RIVER NEAR FORT MACLEOD - STATION NO. 05AB007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	---	---	13.0	17.7	29.9	---	---	---	1910
1911	---	---	---	50.4	168	237	55.9	58.9	116	36.5	38.9	18.2	---	1911
1912	11.2	10.7	24.0	46.3	108	108	84.9	34.4	20.7	19.7	20.2	13.0	41.6	1912
1913	8.66	8.03	10.9	73.8	148	174	61.3	32.8	21.8	21.9	18.0	11.7	48.5	1913
1914	8.01	8.65	11.4	44.6	116	104	42.8	21.7	19.1	47.3	36.3	14.3	38.6	1914
1915	12.1	9.67	13.3	48.6	185	174	93.8	46.8	28.8	31.8	35.2	15.5	57.1	1915
1916	9.80	37.2	30.6	46.2	103	328	143	35.9	25.6	17.8	15.9	9.20	68.4	1916
1917	7.78	7.06	7.84	34.2	172	247	79.6	34.7	15.1	11.2	8.80	7.38	51.1	1917
1918	14.6	8.00	16.1	33.1	88.0	126	32.5	16.8	15.6	14.9	11.2	8.80	32.2	1918
1919	8.55	5.08	8.55	35.4	114	75.8	35.3	13.1	8.46	8.84	8.06	7.12	26.8	1919
1920	8.08	7.28	12.6	39.5	129	178	91.1	22.9	13.1	14.0	10.4	7.44	43.2	1920
1921	8.08	8.22	10.6	32.7	121	132	39.6	14.9	10.5	12.1	8.22	7.84	33.9	1921
1922	8.78	8.34	8.89	18.6	127	143	42.3	15.7	8.87	8.41	8.22	8.10	33.0	1922
1923	8.46	8.67	7.68	23.1	118	446	79.6	32.4	16.0	8.49	11.2	8.10	83.2	1923
1924	7.34	10.6	8.37	15.1	84.6	128	35.9	35.9	12.3	10.5	10.4	10.3	30.0	1924
1925	11.3	10.2	31.3	78.1	136	161	22.9	8.26	12.3	19.2	14.9	15.3	38.5	1925
1926	9.82	9.10	8.14	33.4	37.6	37.3	15.5	4.71	47.2	69.3	35.3	15.6	25.4	1926
1927	9.83	8.26	11.0	44.7	173	299	109	48.3	86.4	69.2	31.6	20.7	75.1	1927
1928	24.2	16.2	38.3	50.8	177	151	140	32.1	23.1	34.3	20.0	13.2	80.3	1928
1929	8.25	7.47	21.9	22.5	133	193	27.5	6.36	3.85	3.97	8.16	7.11	35.9	1929
1930	6.24	14.3	13.2	61.8	109	114	22.2	3.18	3.50	7.70	8.24	8.21	30.8	1930
1931	8.89	6.81	7.25	10.2	43.7	---	---	---	---	---	---	---	---	1931
1932	---	---	---	---	---	---	---	---	5.51	6.81	---	---	---	1932
1933	6.79	4.47	8.82	21.2	---	---	42.1	8.85	---	---	34.5	21.0	---	1933
1934	17.0	20.6	38.1	118	180	118	26.7	3.48	2.87	---	---	13.2	---	1934
1935	14.3	19.1	13.1	30.6	88.8	88.9	23.0	3.83	1.91	3.23	8.35	6.43	35.6	1935
1936	5.48	3.98	13.3	39.5	84.4	57.6	2.51	0.778	0.780	2.04	6.93	5.91	19.5	1936
1937	4.30	4.87	6.73	13.3	85.1	135	23.2	1.80	1.10	7.44	24.1	10.6	34.3	1937
1938	8.00	7.72	10.3	64.3	165	194	42.5	9.58	4.39	6.38	13.5	8.43	42.2	1938
1939	6.85	5.31	14.7	32.9	84.2	85.8	26.0	1.61	1.44	10.1	14.7	11.9	32.9	1939
1940	7.03	6.86	15.5	29.7	88.8	40.7	6.08	2.90	15.8	25.7	17.7	12.1	32.7	1940
1941	8.22	7.81	11.2	26.4	34.3	36.9	10.2	1.70	13.2	33.2	16.5	26.1	16.3	1941
1942	16.7	8.35	8.10	30.9	215	242	82.0	23.8	32.3	19.6	14.6	10.5	60.6	1942
1943	8.16	9.84	26.3	89.3	103	132	63.6	6.00	4.08	3.43	6.99	5.15	37.4	1943
1944	5.15	5.29	6.89	8.85	15.3	28.8	9.32	2.13	2.07	3.83	8.71	8.17	8.08	1944
1945	5.88	5.03	6.95	3.40	88.5	193	49.4	3.87	3.89	10.1	13.4	9.35	32.6	1945
1946	8.07	6.67	10.3	35.4	94.5	131	33.1	3.25	15.2	19.6	19.4	14.7	32.2	1946
1947	12.4	22.0	38.0	73.2	173	117	26.7	10.2	22.6	50.7	30.8	11.6	46.4	1947
1948	10.9	8.34	13.0	86.3	244	332	78.6	41.5	7.79	---	---	---	---	1948
MEAN	9.38	8.71	14.4	40.9	118	154	49.7	17.4	17.8	19.1	16.8	11.2	38.3	MEAN

LOCATION - LAT 49 43 00 N
LONG 113 27 00 W
DRAINAGE AREA 5 780 km^2
REGULATED

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)		MAXIMUM DAILY DISCHARGE (m^3/s)		MINIMUM DAILY DISCHARGE (m^3/s)		TOTAL DISCHARGE (dam^3)	YEAR
1910	...		...		...		...	1910
1911	...		467	ON MAY 16	...		...	1911
1912	...		308	ON JUN 16	7.35 B	ON DEC 18	1 320 000	1912
1913	...		385	ON MAY 29	6.37 C	ON FEB 28	1 530 000	1913
1914	...		167	ON JUN 5	5.86 B	ON JAN 21	1 240 000	1914
1915	...		392	ON JUN 26	7.79 B	ON DEC 19	1 600 000	1915
1916	...		609	ON JUN 21	7.79 B	ON JAN 13	2 100 000	1916
1917	340	ON JUN 10 *	331	ON JUN 10	6.26 B	ON DEC 4	1 610 000	1917
1918	...		237	ON JUN 12	6.59 B	ON DEC 30	1 020 000	1918
1919	...		261 A	ON MAY 26	1.83 B	ON FEB 5	845 000	1919
1920	283	ON JUN 15	276	ON JUN 16	7.14 B	ON DEC 8	1 370 000	1920
1921	...		252 A	ON MAY 26	6.66 B	ON NOV 20	1 070 000	1921
1922	282	ON JUN 5	271	ON JUN 6	3.66 B	ON NOV 30	1 040 000	1922
1923	...		1 980 A	ON JUN 1 *	4.81	ON OCT 18	1 890 000	1923
1924	...		197	ON JUN 8	5.52 B	ON JAN 1	990 000	1924
1925	...		272	ON MAY 22	5.60	ON SEP 4	1 310 000	1925
1926	...		109 A	ON JUN 23	4.19 A	ON AUG 24	801 000	1926
1927	...		493	ON JUN 12	5.65 B	ON MAR 20	2 370 000	1927
1928	...		384	ON JUL 1	8.95 B	ON DEC 3	1 910 000	1928
1929	...		671	ON JUN 6	1.64 B	ON NOV 21	1 130 000	1929
1930	...		187	ON MAY 31	2.35	ON AUG 31	970 000	1930
1931	...		85.9A	ON MAY 16	2.00 B	ON FEB 8	...	1931
1932	...		...		...		...	1932
1933	...		...		2.83 B	ON FEB 10	...	1933
1934	...		541	ON JUN 8	1.91	ON SEP 5	...	1934
1935	...		186	ON MAY 26	0.783	ON OCT 17	814 000	1935
1936	...		136	ON MAY 15	0.518	ON AUG 8	684 000	1936
1937	...		391	ON JUN 13	0.881	ON AUG 16	767 000	1937
1938	...		445	ON MAY 26	0.585	ON OCT 21	1 330 000	1938
1939	...		242	ON JUN 17	0.184	ON SEP 17 *	724 000	1939
1940	...		166	ON MAY 13	0.426	ON AUG 28	718 000	1940
1941	...		76.7	ON JUN 3	1.37	ON AUG 7	576 000	1941
1942	...		1 060	ON MAY 13	4.56 B	ON FEB 25	1 910 000	1942
1943	...		199	ON JUN 18	3.33	ON OCT 31	1 180 000	1943
1944	...		48.8	ON JUN 28	1.47	ON AUG 13	395 000	1944
1945	...		611	ON JUN 7	1.30	ON APR 17	1 020 000	1945
1946	...		238	ON MAY 29	1.81	ON AUG 23	1 020 000	1946
1947	...		303	ON MAY 11	3.34	ON AUG 12	1 530 000	1947
1948	...		1 100	ON JUN 18	...		...	1948
							1 310 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

OLDMAN RIVER NEAR LETHBRIDGE - STATION NO. 05AD001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	---	---	---	248	80.3	---	---	---	1911
1912	27.3	25.6	51.2	102	223	223	193	83.6	46.0	46.6	---	---	---	1912
1913	17.5	11.7	12.8	145	266	445	172	96.6	55.3	60.1	50.6	25.6	116	1913
1914	19.0	17.6	21.8	96.6	244	224	106	94.5	45.8	112	84.6	31.0	85.5	1914
1915	25.9	20.4	55.5	88.4	297	405	258	165	93.9	102	59.4	27.9	123	1915
1916	22.7	87.1	97.2	106	232	665	385	106	89.4	51.3	36.0	36.3	160	1916
1917	19.9	22.5	23.6	102	436	612	221	96.7	35.3	29.7	26.9	18.5	134	1917
1918	95.4	31.2	50.2	87.6	213	307	82.3	43.6	38.7	60.2	26.7	21.0	83.3	1918
1919	18.1	16.0	17.5	65.9	242	189	99.1	30.2	17.6	16.6	22.5	19.9	60.0	1919
1920	18.4	24.6	99.1	90.5	284	384	236	96.8	36.0	61.2	30.2	21.5	106	1920
1921	19.5	23.1	43.0	94.6	284	359	121	41.4	26.2	44.9	31.2	25.2	93.0	1921
1922	16.8	13.0	15.5	62.2	282	372	125	36.7	22.3	30.5	25.1	13.1	84.2	1922
1923	16.2	12.2	20.3	55.1	223	762	190	79.4	37.5	29.6	16.9	123	---	1923
1924	14.7	21.5	29.1	53.5	206	325	112	59.9	26.6	26.6	22.1	20.4	77.9	1924
1925	34.7	20.4	60.6	177	325	297	96.2	22.2	37.9	60.6	26.1	20.1	102	1925
1926	20.4	18.6	20.7	71.8	84.9	90.7	48.4	16.7	86.7	130	59.5	36.6	58.9	1926
1927	20.9	20.6	41.4	106	432	786	301	126	205	162	65.7	47.0	195	1927
1928	94.8	43.2	108	104	395	380	401	82.0	53.0	98.6	56.8	29.6	153	1928
1929	20.3	18.8	88.1	80.1	276	405	89.9	21.8	17.4	16.7	21.6	17.3	85.6	1929
1930	16.8	45.2	37.8	154	267	268	76.4	18.7	18.0	25.8	18.2	15.7	79.7	1930
1931	13.2	12.7	14.8	22.1	135	107	23.9	11.8	11.0	---	---	---	---	1931
1932	---	---	---	---	---	361	83.1	26.0	19.3	16.6	31.2	26.6	---	1932
1933	19.5	13.4	20.2	64.3	242	351	133	26.5	30.7	46.7	105	55.6	92.6	1933
1934	65.1	70.1	61.2	222	311	326	69.4	15.3	14.8	27.8	86.9	32.3	106	1934
1935	36.7	84.5	68.9	73.0	180	217	74.6	21.0	10.2	11.2	20.6	15.7	64.3	1935
1936	10.3	6.53	45.6	90.7	186	186	16.5	5.96	5.68	6.34	19.3	5.68	46.1	1936
1937	8.95	6.96	19.6	60.8	133	287	67.6	15.3	9.76	23.2	38.3	23.0	62.8	1937
1938	23.6	16.2	53.2	85.6	232	226	116	22.3	16.1	17.1	19.9	16.2	87.6	1938
1939	18.7	11.5	24.2	84.3	153	185	63.2	10.2	8.71	21.3	25.1	20.7	51.4	1939
1940	15.5	13.5	33.9	58.5	189	114	31.0	17.6	27.6	44.9	70.4	23.5	59.0	1940
1941	19.5	17.6	25.2	67.9	91.2	101	46.6	10.2	27.6	64.5	41.3	30.3	64.4	1941
1942	26.9	16.0	29.6	72.2	367	615	243	62.6	67.7	52.6	32.0	26.0	137	1942
1943	18.6	24.4	64.4	206	264	389	197	33.2	13.7	13.7	18.9	12.9	103	1943
1944	10.3	9.86	12.6	21.6	58.2	102	41.7	13.6	10.4	15.0	18.2	13.6	27.2	1944
1945	13.3	12.6	20.9	15.8	196	426	133	14.4	17.8	30.6	44.1	25.2	78.0	1945
1946	18.1	15.4	26.2	70.3	213	283	95.7	15.0	29.9	62.9	42.0	30.9	76.7	1946
1947	27.5	51.3	144	149	357	283	93.5	36.3	56.5	125	76.5	26.3	118	1947
1948	30.4	22.0	34.5	183	553	961	170	66.9	23.1	---	---	---	---	1948
1953	---	---	---	---	---	---	---	---	---	---	---	---	---	1953
1957	---	---	---	---	---	---	---	---	13.1	32.5	47.6	16.6	---	1957
1958	14.5	13.0	27.2	106	271	256	122	42.3	22.4	23.5	20.9	23.1	81.0	1958
1959	19.9	32.1	53.7	91.8	286	413	158	61.3	66.6	73.3	61.6	54.4	115	1959
1960	31.7	25.0	79.9	112	200	229	66.6	25.3	9.12	10.4	14.9	13.6	68.3	1960
1961	10.2	12.4	17.1	22.0	222	261	90.2	15.5	16.5	37.7	30.3	12.6	58.9	1961
1962	15.7	32.5	53.2	126	146	170	50.0	14.8	11.9	10.3	12.6	16.6	54.7	1962
1963	16.0	24.5	16.6	16.0	107	262	252	32.8	16.2	16.9	23.7	21.2	66.0	1963
1964	15.0	13.6	12.9	36.0	348	609	142	25.6	14.9	25.5	19.0	15.3	106	1964
1965	19.7	28.0	38.5	107	235	497	238	55.6	70.1	95.6	47.5	36.6	123	1965
1966	27.5	23.8	46.3	108	267	376	160	52.1	46.1	25.3	31.6	23.6	88.2	1966
1967	21.1	24.4	56.6	77.8	474	719	206	32.6	13.1	13.3	27.4	12.2	140	1967
1968	17.7	19.5	30.3	28.7	136	263	75.5	66.3	106	86.5	95.5	36.1	78.9	1968
1969	23.9	22.2	82.3	161	240	331	226	35.7	12.2	16.5	25.1	15.1	102	1969
1970	8.46	13.5	19.8	29.3	227	350	90.2	19.5	15.1	18.2	19.3	21.5	70.2	1970
1971	18.4	52.4	27.3	61.6	292	339	86.0	29.8	21.2	32.1	29.3	17.0	86.0	1971
1972	16.8	17.0	120	127	411	499	156	85.0	47.1	65.8	60.7	21.0	136	1972
1973	20.9	24.5	34.6	30.9	125	144	36.9	8.30	8.86	12.5	26.1	21.8	41.2	1973
1974	18.5	29.9	43.0	82.7	263	473	138	92.5	23.2	17.6	16.8	13.8	100	1974
1975	12.2	12.2	16.3	74.2	316	729	265	48.9	64.2	55.6	41.8	92.8	139	1975
1976	46.9	39.5	43.0	73.5	242	131	81.9	190	46.7	36.1	26.1	17.6	77.8	1976
1977	12.8	18.7	15.8	21.9	40.2	26.0	7.65	6.20	9.43	14.8	11.8	12.1	16.7	1977
1978	9.07	10.5	70.7	47.2	244	303	153	55.8	116	73.7	26.3	16.7	86.4	1978
1979	13.0	11.2	73.7	78.7	290	166	26.7	11.5	8.80	16.1	13.0	15.8	82.6	1979
1980	8.54	11.2	15.6	46.1	185	236	26.3	15.1	22.8	24.8	63.3	31.7	66.6	1980
1981	53.3	33.8	25.0	32.7	416	315	90.5	36.6	12.6	13.3	21.2	8.96	86.5	1981
1982	5.52	8.82	17.2	44.3	86.5	251	100	12.0	16.5	34.6	25.6	17.6	52.5	1982
1983	14.8	18.0	23.6	23.6	94.8	76.5	27.6	8.62	7.37	14.1	23.5	11.8	26.9	1983
1984	22.3	21.2	12.6	14.3	26.5	73.7	19.6	5.14	6.86	15.0	16.8	8.82	20.3	1984
1985	7.43	8.24	14.7	22.9	112	65.3	5.05	6.76	31.6	58.6	68.7	36.0	36.1	1985
1986	29.9	65.0	95.4	88.6	199	176	13.6	5.43	15.6	46.7	30.1	27.6	66.3	1986
MEAN	22.1	23.9	41.6	80.1	262	332	122	40.1	37.5	42.6	36.8	23.8	86.2	MEAN

LOCATION - LAT 49 42 30 N DRAINAGE AREA 17 000 km²
LONG 112 52 30 W REGULATED SINCE 1910

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)		MAXIMUM DAILY DISCHARGE (m^3/s)		MINIMUM DAILY DISCHARGE (m^3/s)		TOTAL DISCHARGE (dam^3)	YEAR
1911	---		---		---		---	1911
1912	---		419	ON JUN 17	---		---	1912
1913	---		705	ON MAY 29	8 508	ON DEC 24	3 580 000	1913
1914	---		348	ON JUN 5	8.21	ON MAR 27	2 820 000	1914
1915	---		825	ON JUN 27	18 2	ON MAR 8	4 200 000	1915
1916	---		1 220	ON JUN 20	9 94	ON NOV 13	5 040 000	1916
1917	---		1 120	ON JUN 10	12 7 B	ON DEC 11	4 230 000	1917
1918	---		585	ON JUN 15	10 2 B	ON NOV 27	2 830 000	1918
1919	---		547	ON MAY 30	8 898	ON FEB 26	1 890 000	1919
1920	---		501	ON JUN 19	10 5 B	ON JAN 21	3 380 000	1920
1921	---		510	ON MAY 25	14 4 B	ON FEB 4	2 930 000	1921
1922	---		597	ON JUN 7	8 488	ON DEC 3	2 850 000	1922
1923	2 830	AT 16 30 MST ON JUN 2	2 380	ON JUN 2	10 6 B	ON FEB 10	3 890 000	1923
1924	---		490	ON JUN 8	11 6 B	ON JAN 9	2 480 000	1924
1925	---		547	ON MAY 24	14 2 B	ON DEC 23	3 220 000	1925
1926	386	AT 08 30 MST ON JUN 21	241	ON JUN 21	13 5 B	ON FEB 16	1 880 000	1926
1927	1 420	AT 16 30 MST ON JUN 12	1 380	ON JUN 12	15 5 B	ON JAN 21	5 150 000	1927
1928	1 260	AT 17 30 MST ON JUL 2	1 200	ON JUL 2	15 9 B	ON DEC 2	4 830 000	1928
1929	1 180	AT 18 00 MST ON JUN 4	1 110	ON JUN 4	10 6 B	ON NOV 22	2 890 000	1929
1930	---		402	ON JUN 1	7 45	ON SEP 8	2 510 000	1930
1931	---		250	ON MAY 18	---		---	1931
1932	---		852	ON JUN 3	---		---	1932
1933	---		445	ON JUN 18	12 1 B	ON FEB 9	2 920 000	1933
1934	---		991	ON JUN 8	10 2	ON AUG 30	3 410 000	1934
1935	---		385	ON MAY 25	5 85	ON OCT 7	2 030 000	1935
1936	---		292	ON JUN 3	3 79	ON AUG 31	1 480 000	1936
1937	---		1 130	ON JUN 14	7 148	ON JAN 28	1 990 000	1937
1938	---		804	ON MAY 28	9 949	ON NOV 12	3 770 000	1938
1939	---		371	ON JUN 18	5 86	ON SEP 5	1 820 000	1939
1940	---		288	ON MAY 14	5 52	ON AUG 31	1 580 000	1940
1941	---		181	ON JUN 4	6 20	ON AUG 25	1 400 000	1941
1942	2 710	AT 12 00 MST ON JUN 7	2 340	ON JUN 7	10 1 B	ON FEB 16	4 310 000	1942
1943	---		549	ON JUN 20	8 388	ON DEC 24	3 280 000	1943
1944	---		186	ON JUN 29	7 258	ON JAN 1	852 000	1944
1945	---		813	ON JUN 8	5 52	ON SEP 7	2 490 000	1945
1946	---		484	ON MAY 30	10 4	ON AUG 24	2 380 000	1946
1947	---		843	ON MAR 17	17 2	ON AUG 18	3 770 000	1947
1948	---		2 830	ON JUN 18	---		---	1948
1949	3 110	AT 02 00 MST ON JUN 10 *	2 890	ON JUN 10 *	---		---	1949
1950	---		---		---		---	1950
1951	638	AT 01 00 MST ON MAY 14	415	ON MAY 14	6 438	ON FEB 8	2 550 000	1951
1952	612	AT 06 00 MST ON JUN 7	606	ON JUN 7	14 3 B	ON JAN 30	3 510 000	1952
1953	---		378	ON JUN 5	6 09	ON SEP 18	2 180 000	1953
1954	986	AT 09 00 MST ON MAY 29	572	ON MAY 29	5 83	ON JAN 4	1 850 000	1954
1955	---		259	ON JUN 16	7 36	ON OCT 6	1 730 000	1955
1956	---		861	ON JUL 1	6 38	ON NOV 20	2 980 000	1956
1957	2 090	AT 13 00 MST ON JUN 10	1 980	ON JUN 10	7 55	ON MAR 24	3 360 000	1957
1958	868	AT 12 00 MST ON JUN 19	923	ON JUN 19	12 1 B	ON FEB 14	3 880 000	1958
1959	899	AT 03 00 MST ON JUN 6	682	ON JUN 6	11 9 B	ON DEC 3	3 130 000	1959
1960	1 000	AT 06 00 MST ON JUN 2	1 060	ON JUN 1	9 009	ON DEC 14	4 410 000	1960
1961	813	AT 08 00 MST ON JUN 8	408	ON JUN 8	11 8 B	ON JAN 6	2 530 000	1961
1962	974	AT 10 27 MST ON JUN 30	957	ON JUN 30	8 108	ON DEC 11	3 220 000	1962
1963	---		722	ON JUN 16	4 538	ON NOV 23	2 220 000	1963
1964	986	AT 13 00 MST ON JUN 1	683	ON JUN 1	5 158	ON DEC 9	2 850 000	1964
1965	992	AT 08 40 MST ON JUN 2	867	ON JUN 2	7 998	ON DEC 7	4 210 000	1965
1966	297	AT 00 04 MST ON MAY 21	250	ON MAY 21	4 87	ON AUG 28	1 300 000	1966
1967	711	AT 08 25 MST ON JUN 19	697	ON JUN 19	7 528	ON DEC 27	3 160 000	1967
1968	2 020	AT 20 00 MST ON JUN 21	2 440	ON JUN 21	10 1 B	ON JAN 23	4 390 000	1968
1969	---		385 A	ON MAY 15	9 408	ON DEC 31	2 460 000	1969
1970	68 0	AT 03 00 MST ON MAY 13	67 5	ON MAY 13	2 518	ON NOV 23	527 000	1970
1971	497	AT 22 40 MST ON JUN 10	458	ON JUN 10	8 248	ON JAN 30	2 940 000	1971
1972	533	AT 08 40 MST ON MAY 28	522	ON MAY 28	7 73	ON SEP 27	1 870 000	1972
1973	863	ON MAY 27	807 A	ON MAY 27	4 788	ON JAN 11	1 790 000	1973
1974	1 170	AT 13 00 MST ON MAY 23	1 100	ON MAY 24	5 308	ON DEC 31	3 800 000	1974
1975	348	AT 17 25 MST ON JUN 18	325	ON JUN 17	4 008	ON JAN 10	1 680 000	1975
1976	273	AT 06 15 MST ON MAY 28	265	ON MAY 28	4 75A	ON SEP 29	911 000	1976
1977	107	AT 10 35 MST ON JUN 1	98 1	ON JUN 1	2 95	ON AUG 30	840 000	1977
1978	218	AT 09 20 MST ON MAY 27	214	ON MAY 27	3 12	ON AUG 7 *	1 200 000	1978
1979	900	AT 01 15 MST ON MAY 30	481	ON MAY 30	4 08	ON JUL 31	2 090 000	1979
MEAN							2 720 000	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)

B - ICE CONDITIONS

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

OLDMAN RIVER NEAR MONARCH - STATION NO 05AD019

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1948	---	---	---	---	---	---	---	---	---	10.0	12.1	8.76	---	1948
1949	5.84	5.31	6.93	36.5	100	78.1	12.7	3.78	2.61	8.20	13.3	11.2	23.8	1949
1950	6.52	9.85	13.9	43.2	138	169	65.5	11.0	3.24	9.24	20.3	19.7	44.2	1950
1951	11.7	14.5	26.0	75.1	274	258	155	50.1	122	83.0	43.8	25.9	95.4	1951
1952	20.5	19.8	34.4	107	111	91.5	46.0	23.5	13.9	9.78	10.7	8.84	41.5	1952
1953	9.08	9.98	17.5	45.1	184	522	100	31.5	9.80	9.81	13.1	7.92	79.0	1953
1954	4.88	12.8	12.9	38.1	201	181	89.9	24.7	32.1	33.9	24.7	17.8	58.3	1954
1955	7.11	7.05	7.75	49.3	144	191	99.9	16.4	7.34	19.1	26.4	9.57	49.0	1955
1956	8.32	6.89	11.5	40.2	172	132	73.6	19.5	9.35	8.84	10.5	9.72	42.0	1956
1957	6.96	9.39	26.5	23.9	194	116	16.1	1.55	1.38	7.77	16.4	8.40	36.9	1957
1958	6.93	8.85	11.9	40.2	159	96.5	69.1	19.4	9.78	5.73	8.07	8.96	37.3	1958
1959	10.3	8.40	22.9	33.2	163	191	64.4	13.3	24.6	28.0	24.9	17.0	80.7	1959
1960	7.32	15.2	35.9	58.8	110	93.4	23.5	8.81	1.24	2.14	9.30	7.68	31.5	1960
1961	8.41	8.54	8.62	11.2	169	142	15.1	3.30	2.23	14.9	18.2	6.37	33.2	1961
1962	6.56	14.3	18.2	74.2	84.3	66.5	20.1	3.25	2.57	2.18	8.20	10.0	27.8	1962
1963	7.89	19.4	12.3	7.15	83.5	118	180	14.9	3.27	4.87	9.17	10.9	38.1	1963
1964	6.81	5.83	12.0	30.1	170	235	48.6	5.18	4.13	9.75	10.2	5.81	44.4	1964
1965	5.55	10.3	14.1	50.0	108	217	91.5	18.8	28.9	27.5	20.2	13.7	50.5	1965
1966	8.37	8.82	26.6	46.6	129	165	67.1	20.2	13.3	10.3	16.8	8.49	43.0	1966
1967	7.86	10.0	23.8	24.3	245	372	80.9	12.2	4.37	6.52	18.8	7.94	67.9	1967
1968	7.23	10.2	17.6	14.7	93.8	126	40.4	15.1	29.1	38.7	---	---	---	1968
1969	---	---	26.1	97.3	131	179	125	10.9	4.49	10.7	---	---	---	1969
MEAN	8.28	10.7	18.8	44.7	149	181	68.4	15.1	15.7	18.3	15.7	11.2	48.8	MEAN

LOCATION - LAT 49 47 25 N
LONG 113 07 25 W

DRAINAGE AREA 6 880 km²
REGULATED

OLDMAN RIVER NEAR MONARCH - STATION NO 05AD019

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1948	---	---	---	---	1948
1949	---	182 ON MAY 25	1.76 ON SEP 25	749 000	1949
1950	---	257 ON JUN 18	1.44 ON OCT 10	1 400 000	1950
1951	---	527 ON JUN 25	3.96 B ON JAN 6	3 010 000	1951
1952	---	216 ON APR 28	3.82 B ON NOV 20	1 310 000	1952
1953	---	1 550 ON JUN 10 o	4.42 B ON JAN 8	2 490 000	1953
1954	---	484 ON MAY 20	2.12 B ON JAN 19	1 780 000	1954
1955	---	396 ON MAY 21	3.96 B ON FEB 23	1 850 000	1955
1956	---	419 ON MAY 22	1.27 B ON DEC 8	1 330 000	1956
1957	---	267 ON MAY 22	0.684 ON OCT 3	1 130 000	1957
1958	---	273 ON MAY 13	2.52 ON OCT 13	1 180 000	1958
1959	---	297 ON MAY 27	4.47 B ON DEC 31	1 800 000	1959
1960	---	276 ON MAY 14	0.941 ON OCT 8	995 000	1960
1961	---	462 ON MAY 28	0.108 ON SEP 9 o	1 050 000	1961
1962	---	207 ON JUN 18	1.48 ON OCT 25	879 000	1962
1963	---	725 ON JUL 1	0.900 ON OCT 26	1 140 000	1963
1964	---	823 ON JUN 8	3.28 ON AUG 27	1 400 000	1964
1965	---	595 ON JUN 19	0.7938 ON DEC 27	1 590 000	1965
1966	---	309 ON JUN 6	2.85 B ON DEC 3	1 380 000	1966
1967	---	714 ON JUN 1	3.45 ON SEP 28	2 140 000	1967
1968	---	270 ON MAY 24	---	---	1968
1969	---	588 ON JUN 27	---	---	1969
				1 480 000	MEAN

B - ICE CONDITIONS o - EXTREME RECORDED FOR THE PERIOD OF RECORD

OLDMAN RIVER NEAR THE MOUTH - STATION NO 05AD005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	---	---	---	633	187	30.2	22.5	32.5	23.8	15.2	---	1964
1965	20.9	31.3	32.0	97.4	210	471	248	63.6	72.2	101	46.3	39.3	120	1965
1966	25.8	21.2	51.2	117	249	358	180	54.4	48.4	28.2	38.3	18.6	87.7	1966
1967	15.5	22.8	57.8	83.3	444	731	207	40.0	18.9	17.4	28.3	10.2	140	1967
1968	15.4	18.6	37.3	30.6	140	288	85.8	56.0	111	110	87.1	38.6	83.6	1968
1982	---	---	---	---	95.2	286	126	23.6	17.1	37.7	28.0	18.1	---	1982
1983	17.7	19.4	25.4	26.0	95.1	105	36.3	15.5	12.1	16.4	23.8	12.7	34.0	1983
1984	18.0	26.3	18.7	15.0	28.0	76.5	28.0	10.8	8.78	17.6	21.9	10.6	23.4	1984
1985	8.06	8.32	15.2	21.8	102	95.2	8.78	9.12	32.9	85.4	88.2	38.0	36.9	1985
1986	30.5	85.5	100	85.5	183	187	17.4	9.14	19.7	82.4	34.3	28.6	87.7	1986
MEAN	19.0	26.8	42.5	69.6	172	324	108	31.2	36.5	46.6	40.0	23.0	75.9	MEAN

LOCATION - LAT 49 55 08 N
LONG 111 48 00 W

DRAINAGE AREA 27 500 km²
REGULATED

OLDMAN RIVER NEAR THE MOUTH - STATION NO 05AG005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	---	1 840 ON JUN 11 e	---	---	1964
1965	---	892 ON JUN 20	11 7 8 ON MAR 30	3 770 000	1965
1966	---	626 ON JUN 7	10 8 8 ON DEC 5	3 060 000	1966
1967	---	1 070 ON JUN 2	6 808 ON DEC 18	4 410 000	1967
1968	---	430 ON JUN 10	10 3 9 ON JAN 6	2 710 000	1968
1982	401 AT 12 55 MST ON JUN 18	372 ON JUN 17	---	---	1982
1983	271 AT 04 15 MST ON MAY 29	265 ON MAY 29	9 65 ON SEP 29	1 070 000	1983
1984	122 AT 15 05 MST ON JUN 2	107 ON JUN 2	6 46 ON AUG 31	741 000	1984
1985	216 AT 05 34 MST ON MAY 28	215 ON MAY 28	5 409 ON FEB 3	1 230 000	1985
1986	478 AT 16 30 MST ON MAY 30 e	468 ON MAY 30	4 806 ON JUL 31 e	2 140 000	1986
				2 390 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
e - EXTREME RECORDED FOR THE PERIOD OF RECORD

OLDMAN RIVER NEAR WALDRON'S CORNER - STATION NO 05AA023

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1949	---	---	---	---	---	---	---	--	---	3 88	3 01	2 78	---	1949
1950	1 37	1 36	1 63	5 34	35 6	94 8	31 1	6 82	3 95	4 15	4 70	4 35	12 2	1950
1951	3 83	3 20	3 59	13 1	89 7	84 5	42 7	15 0	28 5	17 8	9 47	6 07	23 0	1951
1952	3 85	4 12	6 50	36 3	39 6	32 1	16 9	10 2	8 01	4 03	3 61	3 45	12 7	1952
1953	2 08	2 02	1 89	8 18	49 7	116	28 7	9 03	5 40	3 83	4 03	3 81	18 6	1953
1954	1 79	3 15	4 87	5 32	94 8	82 2	26 1	9 34	6 69	9 96	8 33	4 86	16 7	1954
1955	3 93	2 89	2 99	31 4	25 8	52 8	29 3	7 40	4 46	6 29	4 32	3 96	13 8	1955
1956	2 27	2 25	2 80	10 0	84 8	39 9	35 3	10 0	5 51	4 35	3 14	2 77	14 6	1956
1957	2 68	2 94	3 33	6 07	53 2	30 4	10 1	5 46	3 82	3 33	2 68	2 56	10 5	1957
1958	2 83	2 26	1 91	5 44	46 8	32 2	30 8	8 72	5 28	4 38	3 19	2 73	12 2	1958
1959	2 93	2 48	2 98	8 02	45 7	85 4	30 5	7 35	8 39	7 55	5 46	5 23	16 2	1959
1960	2 90	2 84	6 39	15 6	31 2	39 2	12 0	5 88	3 80	3 31	2 28	3 14	10 7	1960
1961	1 83	2 51	2 38	3 03	48 0	48 7	10 2	5 35	5 37	6 84	5 25	2 77	12 1	1961
1962	2 87	2 80	3 33	15 5	36 6	32 8	10 7	5 19	3 77	3 38	3 30	3 49	9 27	1962
1963	3 10	3 09	1 87	4 35	22 5	48 0	56 6	8 88	5 64	4 27	3 19	3 27	13 7	1963
1964	2 14	1 87	2 24	4 47	49 3	98 5	17 8	5 29	5 06	4 41	4 58	3 56	14 1	1964
1965	2 30	2 80	3 19	6 14	24 6	91 3	25 3	9 34	10 1	9 12	6 96	3 38	14 0	1965
1966	2 14	3 51	5 35	5 28	42 1	50 9	14 0	5 91	4 88	4 36	2 83	2 73	13 7	1966
1967	2 90	2 82	2 96	3 42	57 2	106	26 7	7 11	4 24	3 80	2 55	3 06	18 4	1967
1968	2 72	2 55	3 19	4 11	30 1	44 7	16 8	5 81	5 71	5 81	4 98	3 90	13 0	1968
1969	2 82	3 16	2 77	17 9	43 0	55 2	31 5	7 17	4 88	4 27	3 21	1 89	15 1	1969
1970	1 94	1 72	2 12	3 89	33 6	49 8	12 6	4 72	4 23	3 87	1 73	2 08	10 2	1970
1971	1 80	2 50	1 84	8 16	53 0	84 0	14 8	6 31	4 43	4 98	4 87	2 90	13 3	1971
1972	2 43	2 04	5 16	8 75	81 0	91 2	26 7	15 7	11 1	8 01	5 02	3 19	21 7	1972
1973	2 80	2 87	2 37	4 25	29 6	32 9	9 86	5 35	4 34	3 88	3 83	2 81	8 80	1973
1974	2 38	2 33	3 44	11 6	55 4	98 2	23 7	10 0	5 81	4 78	3 95	2 35	19 6	1974
1975	2 28	2 30	1 97	3 03	36 4	83 4	31 5	11 1	6 23	5 80	4 82	4 30	18 1	1975
1976	3 55	2 46	2 46	10 2	43 7	24 6	13 3	45 2	10 4	5 74	4 83	3 78	14 1	1976
1977	1 88	2 77	2 95	7 47	14 1	13 1	5 39	5 46	6 36	4 85	3 36	2 86	6 93	1977
1978	1 95	1 82	7 78	7 27	43 0	54 4	39 7	10 1	6 79	5 47	3 83	3 38	14 7	1978
1979	2 20	2 00	3 16	8 30	37 9	30 1	9 87	5 69	4 05	3 90	2 81	1 72	8 94	1979
1980	1 92	2 05	1 61	13 7	32 5	36 0	8 62	6 91	6 81	5 98	4 18	4 80	10 2	1980
1981	4 03	2 93	3 47	8 62	46 0	94 0	23 1	11 1	5 98	4 63	3 33	2 95	16 0	1981
1982	1 28	1 50	3 03	8 27	23 2	50 8	16 6	5 60	6 00	4 83	2 20	2 18	10 0	1982
1983	1 95	2 17	3 10	8 64	33 0	21 7	10 4	4 98	3 76	3 06	2 80	0 895	8 98	1983
1984	1 93	1 74	2 07	4 25	13 8	38 4	10 1	4 33	3 19	2 88	2 13	1 71	8 35	1984
1985	1 56	1 42	1 82	6 02	23 0	33 2	6 06	4 61	11 0	9 55	6 47	4 18	8 25	1985
1986	2 64	3 79	5 66	13 8	52 4	39 5	9 71	5 51	5 71	7 69	4 42	2 96	12 8	1986
MEAN	2 44	2 42	3 19	8 71	40 6	51 3	20 4	8 60	6 50	5 58	3 93	2 96	13 1	MEAN

LOCATION - LAT 49 48 50 N
LONG 114 11 00 W
DRAINAGE AREA 1 440 km^2
NATURAL FLOW

BLOMAN RIVER NEAR MALONEY'S CORNER - STATION NO 08AA033

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1949	...	...	...	...	1949
1950	78.6 AT 01 00 MST ON MAY 28	72.8 ON MAY 28	1.10 E ON JAN 18	383 000	1950
1951	137 AT 18 00 MST ON JUN 15	135 ON JUN 15	1.30 E ON MAR 19	725 000	1951
1952	71.4 AT 14 30 MST ON JUN 12	61.0 ON APR 27	1.81 E ON DEC 26	382 000	1952
1953	453 AT 22 00 MST ON JUN 9 *	337 ON JUN 9 *	1.44 E ON MAR 21	819 000	1953
1954	149 AT 23 00 MST ON MAY 19	127 ON MAY 20	1.30 E ON JAN 22	525 000	1954
1955	99.1 AT 01 00 MST ON MAY 20	74.5 ON MAY 20	2.26 E ON DEC 23	430 000	1955
1956	148 AT 01 00 MST ON MAY 21	136 ON MAY 21	1.47 E ON NOV 7	461 000	1956
1957	77.6 AT 23 00 MST ON MAY 6	71.6 ON MAY 7	1.16 E ON JAN 23	333 000	1957
1958	78.9 AT 21 00 MST ON MAY 12	66.8 ON MAY 12	1.99 E ON MAR 3	385 000	1958
1959	110 AT 01 00 MST ON JUN 8	103 ON JUN 9	2.21 E ON FEB 8	480 000	1959
1960	84.1 AT 01 00 MST ON MAY 13	74.2 ON MAY 13	1.62 E ON DEC 8	338 000	1960
1961	177 AT 07 00 MST ON MAY 27	162 ON MAY 27	1.19 E ON MAR 15	383 000	1961
1962	81.0 AT 02 00 MST ON MAY 30	65.3 ON MAY 30	1.54 E ON DEC 23	282 000	1962
1963	212 E ON JUN 30	198 E ON JUN 30	1.63 E ON MAR 13	434 000	1963
1964	140 AT 12 00 MST ON JUN 8	131 ON JUN 8	1.46 E ON FEB 6	445 000	1964
1965	173 AT 06 00 MST ON JUN 18	165 ON JUN 18	1.22 E ON JAN 23	440 000	1965
1966	100 AT 01 00 MST ON JUN 6	96.0 ON JUN 6	2.07 E ON JAN 1	400 000	1966
1967	285 AT 22 00 MST ON MAY 30	242 ON MAY 31	1.96 E ON NOV 17	581 000	1967
1968	92.0 AT 03 14 MST ON MAY 23	86.1 ON MAY 23	1.95 E ON DEC 31	380 000	1968
1969	140 AT 02 13 MST ON JUN 26	129 ON JUN 26	1.36 E ON DEC 7	476 000	1969
1970	104 AT 22 25 MST ON JUN 13	81.5 ON JUN 14	1.05 E ON NOV 21	321 000	1970
1971	106 AT 23 00 MST ON JUN 5	102 ON JUN 6	1.46 E ON MAR 16	421 000	1971
1972	245 AT 01 15 MST ON JUN 1	217 ON JUN 1	1.66 E ON FEB 29	888 000	1972
1973	74.8 AT 01 00 MST ON MAY 18	63.4 ON MAY 18	1.61 E ON MAR 14	271 000	1973
1974	174 AT 04 00 MST ON JUN 17	162 ON JUN 17	1.39 E ON JAN 3	585 000	1974
1975	388 AT 04 30 MST ON JUN 20	386 ON JUN 20	1.65 E ON MAR 25	507 000	1975
1976	290 AT 00 50 MST ON AUG 6	193 ON AUG 6	1.84 E ON MAR 13	447 000	1976
1977	28.6 AT 10 15 MST ON MAY 11	28.4 ON MAY 11	1.35 E ON JAN 2	187 000	1977
1978	113 AT 01 30 MST ON JUN 6	102 ON JUN 6	1.80 E ON FEB 13	462 000	1978
1979	109 AT 01 30 MST ON MAY 27	84.0 ON MAY 27	1.28 E ON DEC 14	282 000	1979
1980	67.0 ON MAY 26	62.0E ON MAY 26	1.21 E ON MAR 6	322 000	1980
1981	231 AT 02 10 MST ON MAY 25	182 ON MAY 26	0.7008 ON DEC 31	505 000	1981
1982	78.4 AT 00 17 MST ON JUN 16	71.6 ON JUN 16	0.4958 ON JAN 6 *	317 000	1982
1983	48.1 AT 03 39 MST ON MAY 27	44.1 ON MAY 26	0.6099 ON DEC 23	220 000	1983
1984	48.6 AT 03 20 MST ON MAY 31	39.6 ON MAY 31	0.7008 ON MAY 26	201 000	1984
1985	10.7 AT 03 05 MST ON JUN 8	57.0 ON JUN 8	1.25 E ON FEB 10	280 000	1985
1986	194 AT 23 25 MST ON MAY 28	138 ON MAY 28	1.50 E ON FEB 20	403 000	1986
				413 000	MEAN

E - ICE CONDITIONS
E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ONETREE CREEK NEAR PATRICIA - STATION NO 05CJ006

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1951	...	...	...	...	...	...	2.32	5.00	2.80	2.19	...	...	...	1951
1952	...	...	...	...	...	8.27	7.35	3.89	1.41	1.33	...	...	...	1952
1953	...	...	...	...	3.99	11.9	3.52	3.44	1.40	1.45	...	...	...	1953
1954	...	...	...	...	...	...	2.94	4.20	1.89	2.19	...	...	...	1954
1955	...	...	...	...	0.223	1.75	3.60	2.73	1.00	1.80	...	...	...	1955
1956	...	...	...	...	0.807	2.39	3.34	3.03	1.96	1.93	...	...	...	1956
1957	...	...	...	...	0.764	2.93	3.99	3.56	0.980	1.85	...	...	...	1957
1958	...	...	...	...	0.791	3.58	2.63	2.18	0.805	1.58	...	...	...	1958
1959	...	...	...	...	0.495	2.83	3.84	2.68	0.981	1.42	...	...	...	1959
1960	...	...	...	...	0.238	3.38	3.64	2.68	1.07	1.47	...	...	...	1960
1961	...	...	...	...	0.782	2.42	3.18	3.85	1.17	3.41	...	...	...	1961
1962	...	...	...	...	0.811	3.44	3.68	3.23	0.980	1.58	...	...	...	1962
1963	...	...	...	...	1.24	3.94	2.33	3.38	1.06	1.60	...	...	...	1963
1964	...	...	...	...	0.745	3.56	2.95	3.01	1.88	2.48	...	...	...	1964
1965	...	...	...	...	0.948	3.40	2.10	3.80	1.38	1.67	...	...	...	1965
1966	...	...	...	...	0.817	2.56	3.83	1.95	1.08	1.52	...	...	...	1966
1967	...	...	...	...	1.88	1.94	2.88	2.73	2.33	2.36	...	...	...	1967
1968	...	...	...	...	1.16	3.35	3.24	3.38	1.29	2.08	...	...	...	1968
1969	...	...	...	...	0.911	2.83	2.83	3.16	1.48	2.10	...	...	...	1969
1970	...	...	...	...	0.873	3.66	3.33	2.66	2.82	1.08	...	...	...	1970
1971	...	...	...	...	0.979	2.93	3.16	3.81	2.30	1.78	...	...	...	1971
1972	...	...	1.43	0.461	0.982	3.79	3.76	3.90	2.83	1.62	...	...	2.35	1972
1973	...	...	0.593	0.210	1.22	4.33	...	...	1.97	1.61	...	...	...	1973
1974	...	...	0.191	2.38	0.360	3.85	4.37	4.70	2.75	2.42	...	...	2.61	1974
1975	...	...	...	...	1.94	1.63	2.33	3.81	2.02	1.47	...	...	...	1975
1976	...	...	...	...	1.07	4.91	3.82	3.80	1.84	1.83	...	...	...	1976
1977	...	...	...	...	1.07	2.04	2.30	3.32	1.08	1.52	...	...	...	1977
1978	...	...	0.838	0.818	0.148	1.71	2.08	3.09	1.25	1.62	...	...	1.43	1978
1979	...	...	0.874	0.367	0.191	2.61	2.62	3.10	1.85	0.905	...	...	1.52	1979
1980	...	...	0.942	0.870	2.48	3.32	3.40	2.98	2.72	2.11	...	...	2.30	1980
1981	...	...	0.859	0.349	0.878	3.05	3.46	3.14	2.87	2.62	...	...	2.14	1981
1982	...	...	0.483	0.588	0.613	2.94	3.26	3.44	2.05	2.72	...	...	2.08	1982
1983	...	...	0.476	0.214	0.887	3.18	3.76	2.85	1.89	1.66	0.393	...	1.80	1983
1984	...	...	0.110	0.128	1.67	3.81	3.81	3.68	1.21	1.01	0.884	...	1.53	1984
1985	...	...	1.03	0.849	1.13	3.94	3.61	2.83	1.00	0.801	...	...	1.81	1985
1986	...	...	0.233	0.099	0.811	2.70	3.56	3.09	2.23	0.740	0.148	...	1.70	1986
MEAN	...	...	0.800	0.603	0.868	3.35	3.23	3.14	1.76	1.72	0.178	...	1.93	MEAN

LOCATION - LAT 50 44 00 N
LONG 111 41 15 W

DRAINAGE AREA 486 km^2
REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1971, 1972 AND 1974

ONETREE CREEK NEAR PATRICIA - STATION NO. 05CJ005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1951	---	---	---	---	1951
1952	---	7.90 ON JUL 16	---	---	1952
1953	---	61.4 E ON JUN 3 *	---	---	1953
1954	---	---	---	---	1954
1955	---	4.84 ON JUL 8	---	---	1955
1956	---	18.4 ON AUG 3	---	---	1956
1957	---	4.98 ON JUN 15	---	---	1957
1958	---	7.76 ON JUN 29	---	---	1958
1959	---	9.15 ON JUN 27	---	---	1959
1960	---	5.97 ON JUL 3	---	---	1960
1961	---	8.01 ON JUL 29	---	---	1961
1962	---	7.31 ON JUN 15	---	---	1962
1963	---	11.4 ON JUN 22	---	---	1963
1964	---	8.84 ON JUN 16	---	---	1964
1965	---	8.21 ON JUN 26	---	---	1965
1966	---	5.84 ON JUL 26	---	---	1966
1967	---	4.76 ON AUG 8	---	---	1967
1968	---	5.78 ON JUL 21	---	---	1968
1969	---	8.38 ON JUN 29	---	---	1969
1970	---	12.8 ON JUN 17	---	---	1970
1971	---	13.8 A ON APR 9	---	---	1971
1972	---	6.28B ON MAR 21	0.8 ON MAR 1 *	49 800	1972
1973	---	20.3 ON JUN 16	0.8 ON MAR 1	---	1973
1974	16.0 B AT 17 20 MST ON APR 11 *	15.2 B ON APR 11	0.8 ON MAR 1	55 300	1974
1975	12.0 AT 20 00 MST ON MAY 24	6.74 ON JUN 20	---	---	1975
1976	7.22 AT 01 00 MST ON AUG 4	6.97 ON AUG 4	---	---	1976
1977	---	3.43 ON AUG 18	---	---	1977
1978	6.29 AT 16 50 MST ON AUG 23	5.47 ON AUG 23	0.8 ON MAR 1	30 300	1978
1979	---	5.75 ON AUG 5	0.8 ON MAR 1	32 200	1979
1980	13.4 AT 05 00 MST ON MAY 26	12.1 ON MAY 26	0.8 ON MAR 1	48 700	1980
1981	8.70 AT 04 10 MST ON JUN 14	7.83 ON JUN 14	0.8 ON MAR 10	45 400	1981
1982	10.8 AT 07 29 MST ON JUL 2	10.1 ON JUL 2	0.8 ON MAR 1	44 200	1982
1983	---	7.48 ON JUL 8	0.078A ON MAY 3	38 200	1983
1984	10.4 AT 02 53 MST ON JUL 31	8.55 ON JUL 31	0.008 ON APR 27	32 300	1984
1985	---	4.68 ON JUL 18	0.8 ON MAR 1	38 400	1985
1986	15.3 AT 00 12 MST ON SEP 26	12.7 ON SEP 26	0.051B ON MAR 8	35 900	1986
MEAN				41 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ONETREE CREEK SPILLWAY NEAR AQUEDUCT - STATION NO. 05BN017

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	0.898	0.830	0.491	0.080	0.043	0.043	---	---	0.331	1966
1967	---	---	---	---	0.086	0.830	1.38	0.486	0.088	0.044	---	---	0.480	1967
1968	---	---	---	---	0.724	0.727	0.753	0.306	0.187	0.143	---	---	0.470	1968
1969	---	---	---	---	0.883	1.32	0.837	0.907	0.139	0.095	---	---	0.545	1969
1970	---	---	---	---	1.28	0.708	0.188	0.182	0.078	0.089	---	---	0.413	1970
1971	---	---	---	---	0.480	0.852	0.924	0.289	0.013	0.087	---	---	0.434	1971
1972	---	---	---	---	0.953	0.848	0.882	0.312	0.017	0.003	---	---	0.503	1972
1973	---	---	---	---	0.854	0.481	1.16	0.324	0.082	0.084	---	---	0.500	1973
MEAN	---	---	---	---	0.717	0.787	0.799	0.303	0.080	0.089	---	---	0.480	MEAN

LOCATION - LAT 60 31 42 N
LONG 111 52 07 W
REGULATED

ONETREE CREEK SPILLWAY NEAR AQUEDUCT - STATION NO. 05BN017

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	2.42 ON MAY 31	0.E ON MAY 1 *	5 280	1966
1967	---	2.10 ON JUL 13	0.E ON MAY 1	7 630	1967
1968	---	1.81 ON JUL 13	0.010 ON AUG 31	7 480	1968
1969	---	2.30 ON JUN 13	0.005 ON SEP 25	8 680	1969
1970	---	3.95 ON MAY 26 *	0 ON MAY 4	8 570	1970
1971	---	1.84 ON JUN 3	0 ON MAY 1	6 910	1971
1972	---	1.53 ON MAY 27	0 ON MAY 1	8 000	1972
1973	---	1.77 ON JUN 8	0 ON MAY 1	7 950	1973
MEAN				7 310	MEAN

E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

OTAUWAU RIVER NEAR SLAVE LAKE - STATION NO. 07BK004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1922	---	---	---	---	---	---	---	---	---	0.294	---	---	---	1922
MEAN	---	---	---	---	---	---	---	---	---	0.294	---	---	---	MEAN

LOCATION - LAT 55 16 30 N
LONG 114 24 35 W
DRAINAGE AREA, 515 km^2
NATURAL FLOW

OWL RIVER BELOW PICHE RIVER · STATION NO 07CA013

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	1.87	6.08	7.27	9.91	9.19	4.15	4.89	5.13	---	---	6.03	1984
1985	---	---	1.60	6.72	25.7	12.1	8.16	2.53	1.65	2.10	---	---	7.33	1985
1986	---	---	1.38	5.04	8.30	5.08	10.2	11.9	3.85	2.50	---	---	5.77	1986
MEAN	---	---	1.64	5.95	13.1	8.03	8.52	6.19	3.40	3.24	---	---	6.38	MEAN

LOCATION - LAT 55 00 39 N
LONG 111 51 16 W
DRAINAGE AREA 3 080 km²
NATURAL FLOW

OWL RIVER BELOW PICHE RIVER · STATION NO 07CA013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1984	---	20.0E ON JUN 6	1.49B ON MAR 21	136 000	1984
1985	40.2 AT 12 22 MST ON MAY 14 *	38.8 ON MAY 14 *	1.40 ON SEP 2	155 000	1985
1986	21.1 AT 03 39 MST ON JUL 25	20.9 ON JUL 25	1.06B ON MAR 5 *	122 000	1986
				135 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PADDLE RIVER AT BARRHEAD · STATION NO 07BB005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	1.68	0.384	0.935	---	---	---	1972
1973	---	---	0.615	8.72	7.30	7.59	3.88	2.85	2.07	3.28	---	---	4.49	1973
1974	---	---	0.203	97.7	49.4	4.48	15.7	2.10	0.815	0.630	---	---	21.3	1974
1975	---	---	0.175	13.0	8.19	2.59	8.74	3.50	4.73	0.778	---	---	5.19	1975
1976	---	---	1.75	16.2	2.42	1.77	2.03	2.83	3.37	0.635	---	---	3.84	1976
1977	---	---	0.780	12.9	17.2	19.9	9.44	5.79	3.09	2.62	---	---	8.05	1977
1978	---	---	5.14	13.1	6.07	5.15	8.86	2.21	8.83	2.17	---	---	6.65	1978
1979	---	---	10.6	23.0	22.3	14.6	25.2	2.97	0.504	0.506	---	---	12.5	1979
1980	---	---	0.284	22.5	3.05	22.1	5.86	4.11	3.63	1.50	---	---	7.78	1980
1981	---	---	8.37	11.8	4.59	6.43	1.60	1.98	0.185	0.196	---	---	4.34	1981
1982	---	---	0.069	23.5	18.8	1.29	9.68	1.80	1.67	0.595	---	---	7.16	1982
1983	---	---	0.143	8.18	1.62	3.51	12.3	0.314	0.100	0.259	---	---	3.29	1983
1984	---	---	1.51	2.51	1.87	5.97	0.540	0.124	1.27	1.44	---	---	1.89	1984
1985	---	---	3.86	16.3	4.17	8.51	2.87	1.08	4.88	1.58	---	---	5.35	1985
1986	---	---	12.9	15.6	10.9	4.22	13.9	1.58	2.48	3.29	---	---	8.61	1986
MEAN	---	---	3.31	20.6	11.3	7.79	8.69	2.38	2.81	1.38	---	---	7.25	MEAN

LOCATION - LAT 54 06 45 N
LONG 114 23 55 W
DRAINAGE AREA 2 390 km²
REGULATED SINCE 1984

PADDLE RIVER AT BARRHEAD · STATION NO 07BB005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1972	---	---	---	---	1972
1973	23.9 AT 19 00 MST ON JUN 30	23.8 ON JUN 30	0.170B ON MAR 1	95 200	1973
1974	385 AT 22 30 MST ON APR 21 *	351 ON APR 21 *	0.142B ON MAR 17	451 000	1974
1975	---	38.2B ON APR 20	0.113B ON MAR 22	110 000	1975
1976	28.3 AT 22 00 MST ON APR 6	28.2 ON APR 9	0.079 ON JUL 30	81 300	1976
1977	68.0 AT 13 00 MST ON JUN 4	67.7 ON JUN 4	0.187 ON JUL 3	192 000	1977
1978	45.9B AT 15 40 MST ON APR 4	37.7 ON JUL 16	0.110B ON MAR 1	141 000	1978
1979	84.0 AT 04 25 MST ON APR 30	83.6 ON APR 30	0.115B ON MAR 4	284 000	1979
1980	48.6 AT 20 15 MST ON JUN 29	48.4 ON JUN 29	0.084B ON MAR 2	185 000	1980
1981	42.4 AT 15 40 MST ON JUN 3	40.5 ON JUN 3	0.062 ON SEP 24	92 000	1981
1982	95.6 AT 14 25 MST ON APR 23	82.2 ON APR 25	0.050B ON MAR 1	151 000	1982
1983	48.0 AT 18 25 MST ON JUL 11	46.6 ON JUL 11	0.023 ON AUG 16 *	89 600	1983
1984	26.9 AT 18 45 MST ON JUN 10	24.1 ON JUN 10	0.025 ON AUG 16	40 000	1984
1985	57.2 AT 16 15 MST ON JUN 27	55.9 ON JUN 27	0.103 ON JUN 18	113 000	1985
1986	55.0 AT 03 07 MST ON JUL 22	55.0 ON JUL 21	0.205 ON AUG 17	182 000	1986
				153 000	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PADDLE RIVER NEAR ANSELMO - STATION NO 07BB011

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	0 183	2 83	0 769	7 15	1 35	1 10	0 315	0 297	---	---	1 73	1980
1981	---	---	0 907	1 57	1 83	3 00	0 612	0 339	0 093	0 112	---	---	1 05	1981
1982	---	---	0 069	2 49	2 21	0 822	3 89	0 985	0 883	0 475	---	---	1 45	1982
1983	---	---	0 082	1 50	0 844	1 44	3 58	0 081	0 098	0 309	---	---	0 933	1983
1984	---	---	0 301	0 782	1 43	2 05	0 202	0 295	1 03	0 499	---	---	0 807	1984
1985	---	---	1 05	3 44	1 03	2 78	0 389	0 330	3 52	0 823	---	---	1 85	1985
1986	---	---	1 14	3 59	2 51	1 09	4 71	0 197	0 496	0 774	---	---	1 81	1986
MEAN	---	---	0 533	2 31	1 49	2 62	2 10	0 457	0 891	0 470	---	---	1 35	MEAN

LOCATION - LAT 53 51 29 N DRAINAGE AREA 281 km²
LONG 115 21 45 W NATURAL FLOW

PADDLE RIVER NEAR ANSELMO - STATION NO 07BB011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1980	25 8 AT 05 50 MST ON JUN 17	20 6 ON JUN 25	0 089 ON SEP 27	38 800	1980
1981	34 2 AT 09 20 MST ON JUN 1	31 7 ON JUN 1	0 014 ON SEP 13 ∘	22 300	1981
1982	20 6 AT 16 25 MST ON JUL 15	17 1 ON JUL 5	0 0328 ON MAR 1	30 700	1982
1983	22 0 AT 08 00 MST ON JUL 9	19 9 ON JUL 9	0 029 ON AUG 29	20 400	1983
1984	17 1 AT 20 50 MST ON JUN 8	15 0 ON JUN 8	0 0788 ON MAR 15	17 100	1984
1985	32 7 AT 05 20 MST ON JUN 25	29 0 ON JUN 25	0 138 ON JUL 7	34 900	1985
1986	110 ON JUL 18 ∘	46 5A ON JUL 18 ∘	0 084 ON AUG 25	38 400	1986
				39 800	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)

B - ICE CONDITIONS

∘ - EXTREME RECORDED FOR THE PERIOD OF RECORD

PADDLE RIVER NEAR ROCHFORT BRIDGE - STATION NO 07BB004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1953	---	---	0 145	15 7	3 74	0 532	0 734	0 025	0 010	0 026	---	---	2 70	1953
1954	---	---	0 228	2 54	2 04	0 297	0 927	1 23	1 78	0 796	---	---	1 22	1954
1955	---	---	0 116	17 2	8 85	19 3	7 11	0 501	0 993	0 529	---	---	6 76	1955
1956	---	---	1 31	10 0	2 71	0 954	0 578	0 507	0 317	0 298	---	---	2 07	1956
1957	---	---	0 031	3 48	4 54	1 46	0 057	0 027	0 003	0 006	---	---	1 20	1957
1958	---	---	2 44	0 985	1 54	0 287	0 035	0 257	0 136	0 129	---	---	0 728	1958
1959	---	---	0 085	10 7	1 70	0 430	0 908	1 84	2 75	1 10	---	---	2 37	1959
1970	---	---	0 410	6 00	1 65	0 575	4 24	0 987	0 133	0 199	---	---	1 77	1970
1971	---	---	0 208	13 1	2 11	9 11	20 0	0 583	0 321	0 383	---	---	5 71	1971
1972	---	---	1 14	8 54	7 05	7 44	0 880	0 424	0 147	---	---	---	---	1972
1973	---	---	0 802	4 12	3 74	4 48	0 937	1 51	1 12	0 902	---	---	2 19	1973
1974	---	---	0 121	28 1	10 2	0 985	8 98	0 266	0 398	0 481	---	---	5 90	1974
1975	---	---	0 127	4 20	3 68	3 87	2 22	2 08	0 998	0 304	---	---	2 17	1975
1976	---	---	0 582	5 75	0 849	0 800	0 500	1 37	1 09	0 253	---	---	1 39	1976
1977	---	---	0 173	5 38	14 7	2 97	3 59	1 29	1 95	1 22	---	---	3 91	1977
1978	---	---	2 88	3 92	3 46	3 24	5 45	1 26	5 01	0 994	---	---	3 27	1978
1979	---	---	2 99	7 77	7 45	6 51	7 74	0 415	0 273	0 587	---	---	4 21	1979
1980	---	---	0 106	6 82	1 23	14 9	2 36	2 09	1 73	0 585	---	---	3 86	1980
1981	---	---	3 60	2 44	2 53	6 28	1 76	0 816	0 161	0 231	---	---	2 11	1981
1982	---	---	0 122	9 05	4 70	0 249	5 89	1 21	1 00	0 378	---	---	2 93	1982
1983	---	---	0 088	3 42	1 05	2 98	6 85	0 325	0 081	0 314	---	---	1 89	1983
1984	---	---	0 816	1 09	1 51	3 02	0 127	0 022	1 34	1 03	---	---	1 10	1984
1985	---	---	1 28	5 05	1 96	4 32	1 27	0 420	2 95	0 388	---	---	2 18	1985
1986	---	---	1 79	6 74	4 74	3 82	7 55	1 32	1 57	2 40	---	---	3 74	1986
MEAN	---	---	0 900	7 82	4 07	4 08	3 53	0 874	1 09	0 587	---	---	2 83	MEAN

LOCATION - LAT 53 53 44 N DRAINAGE AREA 525 km²
LONG 115 02 27 W REGULATED SINCE 1984

PADDLE RIVER NEAR ROCKFORT BRIDGE - STATION NO 07BB004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1963	59.7 ON APR 16	50.7 ON APR 16	0.005 ON SEP 9	57 100	1963
1964	---	14.0 ON MAY 7	0.042 ON JUL 13	26 000	1964
1965	---	122 ON JUN 28 *	0.0148 ON MAR 11	143 000	1965
1966	---	30.6 B ON APR 2	0.0578 ON MAR 1	43 800	1966
1967	---	9.03 ON MAY 8	0 ON SEP 17 *	25 300	1967
1968	---	11.8 ON MAY 7	0.008 ON JUL 17	15 400	1968
1969	---	39.6 B ON APR 11	0 ON JUL 22	50 200	1969
1970	---	20.1 ON JUL 18	0 B ON MAR 1	37 400	1970
1971	75.5 AT 09:00 MST ON JUL 12	73.6 ON JUL 12	0.170 ON SEP 7	121 000	1971
1972	---	36.8 ON JUN 26	---	---	1972
1973	---	31.1 A ON JUN 25	0.204 ON AUG 2	46 300	1973
1974	91.7A AT 00:00 MST ON APR 19 *	88.1 A ON APR 19	0.088 ON AUG 18	125 000	1974
1975	60.8 AT 22:00 MST ON JUN 28	37.1 ON JUN 29	0.1278 ON MAR 1	46 000	1975
1976	---	13.5 B ON APR 7	0.0858 ON MAR 1	29 400	1976
1977	53.0 AT 23:45 MST ON MAY 29	75.3 ON MAY 30	0.1598 ON MAR 1	82 800	1977
1978	82.1 AT 11:00 MST ON JUL 11	60.0 ON JUL 11	0.1818 ON MAR 1	69 200	1978
1979	38.9 AT 04:25 MST ON APR 25	35.7 ON APR 25	0.060 ON SEP 26	89 200	1979
1980	45.4 AT 12:55 MST ON JUN 18	42.5 ON JUN 18	0.0258 ON MAR 1	77 400	1980
1981	43.8 AT 04:30 MST ON JUN 2	38.0 ON JUN 2	0.049 ON SEP 19	44 600	1981
1982	---	36.8 ON APR 25	0 ON OCT 16	59 900	1982
1983	27.9 AT 06:20 MST ON JUL 10	27.8 ON JUL 10	0.019 ON AUG 28	40 000	1983
1984	17.9 AT 01:45 MST ON JUN 10	14.1 ON JUN 10	0 B ON MAR 1	23 200	1984
1985	32.4 AT 07:55 MST ON JUN 26	31.0 ON JUN 26	0 ON MAY 18	46 100	1985
1986	47.8 AT 20:09 MST ON JUL 19	42.0 ON JUL 20	0 ON JUL 5	79 200	1986
				59 900	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

PAINTEARTH CREEK NEAR HALKIRK - STATION NO 05FC004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	---	---	---	---	---	---	---	0	---	---	---	1981
1982	---	---	0.007	0.884	0.024	0.004	0.233	0.011	0.003	0.004	---	---	0.142	1982
1983	---	---	0.502	0.037	0.011	0.849	1.32	0	0	0	---	---	0.341	1983
1984	---	---	0.161	0.011	0	0.013	0	0	0.488	0.174	---	---	0.103	1984
1985	---	---	1.87	0.855	0.078	0.021	0.002	0.027	0.001	0	---	---	0.370	1985
1986	---	---	0.584	0.049	0.003	0	0.233	0.027	0.005	0.029	---	---	0.115	1986
MEAN	---	---	0.621	0.383	0.023	0.177	0.358	0.013	0.085	0.035	---	---	0.214	MEAN

LOCATION - LAT 52 23 00 N LONG 112 08 00 W DRAINAGE AREA, 190 km^2 NATURAL FLOW

PAINTEARTH CREEK NEAR HALKIRK - STATION NO 05FC004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	---	---	---	---	1981
1982	7.45 AT 10:02 MST ON APR 15	6.05 ON APR 15	0B ON MAR 1 *	3 000	1982
1983	12.2 AT 02:15 MST ON JUL 4 *	11.3 ON JUL 3 *	0 ON MAY 5	7 200	1983
1984	3.76 AT 21:27 MST ON SEP 22	3.13 ON SEP 22	0B ON MAR 1	2 170	1984
1985	---	9.838 ON MAR 20	0B ON MAR 1	7 830	1985
1986	---	2.338 ON MAR 2	0 ON MAY 27	2 430	1986
				4 530	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

PARADISE CREEK NEAR SEVEN PERSONS - STATION NO 05AH038

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1921	---	---	0.332	1.01	0.090	---	---	---	---	---	---	---	---	1921
1922	---	---	0.479	2.28	0.113	0	0	0	---	---	---	---	---	1922
1923	---	---	0.105	0.041	0	0.177	0.018	0.016	---	---	---	---	---	1923
1924	---	0	0	0	0	0	0	0.009	0	0	---	---	0.001	1924
1925	---	0.021	0.797	0.617	0.017	0.013	---	---	---	---	---	---	---	1925
1926	---	0	0.071	0	---	---	---	---	---	---	---	---	---	1926
1927	---	0	0.147	1.05	0.723	0.145	0.022	0.101	0	0	---	---	0.272	1927
1928	---	---	1.60	0.075	0	0.189	0.805	0	0	0	---	---	0.334	1928
1929	---	0	0.398	0.193	0.095	0.016	---	---	---	---	---	---	---	1929
1930	---	0.417	0	0	0	---	---	---	---	---	---	---	---	1930
1931	---	0	0	0	---	---	---	---	---	---	---	---	---	1931
1935	---	---	---	---	---	---	---	---	0	0	---	---	---	1935
1936	---	---	0.484	---	0	0	---	---	---	---	---	---	---	1936
MEAN	---	0.063	0.388	0.478	0.104	0.085	0.189	0.025	0	0	---	---	0.202	MEAN

LOCATION - LAT 49 50 00 N LONG 110 51 00 W DRAINAGE AREA, 224 km^2 NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1930

PARADISE CREEK NEAR SEVEN PERSONS - STATION NO 05AH038

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1921	---	6.43 ON APR 14	0B ON MAR 10 *	---	1921
1922	---	8.10 ON APR 3 *	0B ON MAR 1	---	1922
1923	---	2.29 ON JUN 22	0B ON MAR 1	---	1923
1924	---	0.210 ON AUG 23	0 ON MAR 1	24.5	1924
1925	---	5.52 ON MAR 29	0B ON MAR 1	---	1925
1926	---	0.6178 ON MAR 4	0B ON MAR 1	---	1926
1927	---	4.59 ON MAY 29	0B ON MAR 1	5 780	1927
1928	---	6.12 ON MAR 21	0B ON MAR 1	7 080	1928
1929	---	1.01 B ON MAR 20	0B ON MAR 1	---	1929
1930	---	0.0088 ON MAR 3	0B ON MAR 1	---	1930
1931	---	---	0 ON MAR 1	---	1931
1935	---	---	0 ON SEP 1	---	1935
1936	---	2.38 B ON MAR 10	0B ON MAR 1	---	1936
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		4 290	MEAN

PARFLESH CREEK NEAR CHANCELLOR - STATION NO 05BM007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	---	0	0	0	0	0	---	---	---	1965
1966	---	---	2.56	0.186	0	0.006	0.989	0	0	0	---	---	0.467	1966
1967	---	---	0	3.89	0.338	0.013	0	0	0	0	---	---	0.496	1967
1968	---	---	0	0	0	0	0.046	0	0.073	0	---	---	0.015	1968
1969	---	---	0	1.68	0.005	0	0	0	0	0	---	---	0.194	1969
1970	---	---	0.238	0.051	0.001	0.052	0.017	0	0	0	---	---	0.045	1970
1971	---	---	0	2.32	0.078	0.005	0	0	0	0	---	---	0.295	1971
1975	---	---	---	---	---	0.007	0	0	0	0	---	---	---	1975
1976	---	---	0.188	0.308	0.033	0	0	0	0	0	---	---	0.063	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0.189	0.218	0.015	0.012	0	0	0.111	0	---	---	0.065	1978
1979	---	---	0.139	0.013	0.004	0.001	0	0	0	0	---	---	0.020	1979
1980	---	---	0	0.930	0.009	0	0	0	0	0	---	---	0.115	1980
1981	---	---	0.009	0.007	0.007	0.011	0.004	0	0	0	---	---	0.005	1981
1982	---	---	0.147	0.285	0.008	0	0	0	0	0	---	---	0.054	1982
1983	---	---	0.002	0.006	0	0	0	0	0	0	---	---	0.001	1983
1984	---	---	0	0	0	0	0	0	0	0	---	---	0	1984
1985	---	---	0.383	0.183	0.046	0	0	0	0	0	---	---	0.078	1985
1986	---	---	0	0	0	0	0	0	0	0	---	---	0	1986
MEAN	---	---	0.225	0.574	0.032	0.006	0.055	0	0.010	0	---	---	0.113	MEAN

LOCATION - LAT 50 59 40 N DRAINAGE AREA, 129 km^2
LONG 112 50 27 W REGULATED

PARFLESH CREEK NEAR CHANCELLOR - STATION NO 05BM007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	---	0 ON MAY 21 *	---	1965
1966	---	22.2 ON MAR 28 *	0E ON MAR 1	9 870	1966
1967	---	17.5 ON APR 15	0B ON MAR 1	10 500	1967
1968	---	0.398E ON SEP 25	0 ON MAR 1	310	1968
1969	13.3 AT 10:00 MST ON APR 5	11.3 ON APR 5	0B ON MAR 1	4 110	1969
1970	2.79 AT 11:00 MST ON MAR 25	2.00 ON MAR 25	0B ON MAR 1	949	1970
1971	14.0 AT 09:00 MST ON APR 9 *	11.3 ON APR 9	0B ON MAR 1	6 240	1971
1975	---	---	0 ON JUN 10	---	1975
1976	3.34 B AT 21:00 MST ON MAR 31	2.70 B ON MAR 31	0B ON MAR 1	1 340	1976
1977	---	0 ON MAR 1	0 ON MAR 1	0	1977
1978	5.64 AT 01:30 MST ON MAR 31	4.59 ON MAR 31	0B ON MAR 1	1 380	1978
1979	1.02 B AT 05:00 MST ON MAR 13	0.6578 ON MAR 12	0B ON MAR 1	420	1979
1980	9.41 AT 20:00 MST ON APR 13	7.15 ON APR 13	0B ON MAR 1	2 440	1980
1981	0.178 AT 00:25 MST ON JUN 4	0.136 ON JUN 4	0B ON MAR 1	100	1981
1982	---	1.86 ON APR 12	0B ON MAR 1	1 150	1982
1983	0.026 AT 05:00 MST ON APR 5	0.021 ON APR 4	0 ON MAR 1	20.1	1983
1984	---	0 ON MAR 1	0 ON MAR 1	0	1984
1985	---	4.00 B ON MAR 21	0B ON MAR 1	1 650	1985
1986	---	0 ON MAR 1	0 ON MAR 1	0	1986
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 380	MEAN

PARLBY CREEK AT ALIX - STATION NO. 05CD007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1983	---	---	---	---	---	---	---	0.002	0.002	0.002	---	---	---	1983
1984	---	---	0.273	0.583	0.195	0.405	0.090	0.001	0.090	0.131	---	---	0.220	1984
1985	---	---	0.805	3.51	0.261	0.054	0.002	0.059	0.047	0.185	---	---	0.606	1985
1986	---	---	2.02	0.434	1.03	0.180	0.481	0.183	0.073	0.248	---	---	0.586	1986
MEAN	---	---	1.03	1.51	0.495	0.213	0.191	0.051	0.053	0.137	---	---	0.471	MEAN

LOCATION - LAT 52 24 27 N
LONG 113 11 43 W
DRAINAGE AREA, 515 km²
NATURAL FLOW

PARLBY CREEK AT ALIX - STATION NO. 05CD007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1983	---	---	0 ON AUG 24 *	---	1983
1984	---	2.128 ON APR 1	0 ON AUG 8	4 870	1984
1985	14.5 AT 00:40 MST ON APR 4 *	13.9 ON APR 4 *	0.001 ON JUL 10	12 800	1985
1986	---	5.838 ON MAR 5	0.016 ON SEP 10	12 400	1986
				9 980	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

PARLBY CREEK NEAR MIRROR - STATION NO. 05CD902

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	---	---	0.835	0.302	0.045	0.182	0.033	0.057	---	---	---	1981
1982	---	---	---	---	4.31	0.335	0.785	0.567	0.712	0.331	---	---	---	1982
1983	---	---	---	3.15	0.597	0.276	1.18	0.377	0.011	0.002	---	---	---	1983
1984	---	---	0.132	1.20	0.231	0.527	0.025	0	0.109	0.190	---	---	0.298	1984
1985	---	---	0.174	5.08	1.46	0.161	0	0.162	0.170	0.237	---	---	1.04	1985
1986	---	---	1.86	1.67	1.21	0.580	0.240	---	---	---	---	---	---	1986
MEAN	---	---	0.855	3.03	1.44	0.384	0.376	0.258	0.207	0.183	---	---	0.859	MEAN

LOCATION - LAT 52 28 50 N
LONG 113 05 40 W
DRAINAGE AREA, 843 km²
DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

PARLBY CREEK NEAR MIRROR - STATION NO. 05CD902

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	---	---	0 ON SEP 18 *	---	1981
1982	8.46 AT 12:53 MST ON MAY 5 *	7.53 ON MAY 4	---	---	1982
1983	4.38 AT 04:31 MST ON APR 5	4.17 ON APR 14	0 ON SEP 14	---	1983
1984	2.43 AT 13:40 MST ON APR 9	2.41 ON APR 8	0B ON MAR 1	5 320	1984
1985	8.29 AT 12:26 MST ON APR 12	8.24 ON APR 12 *	0B ON MAR 1	22 100	1985
1986	5.81 AT 00:01 MST ON MAR 21	4.66 ON MAR 21	0B ON MAR 1	---	1986
				14 200	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

PEACE RIVER AT DUNVEGAN BRIDGE - STATION NO 07FD003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1960	---	---	---	---	3 370R	5 340R	3 780R	1 640R	1 240R	1 370R	---	---	2 780R	1960
1961	---	---	---	---	3 800R	5 130R	2 080R	759R	1 020R	1 220R	---	---	2 330R	1961
1962	---	---	---	---	2 240R	4 820R	3 840R	2 320R	1 080R	1 180R	---	---	2 580R	1962
1963	---	---	---	---	4 110R	4 680R	3 000R	1 480R	1 150R	1 260R	---	---	2 510R	1963
1964	---	---	---	---	2 680R	8 820R	4 330R	3 560R	1 380R	1 470R	---	---	3 880R	1964
1965	---	---	---	---	3 000R	5 680R	3 750R	1 150R	1 020R	1 480R	---	---	2 670R	1965
1966	---	---	---	---	3 630R	4 930R	3 790R	1 670R	1 430R	1 010R	---	---	2 740R	1966
1967	---	---	---	---	4 260R	7 370R	2 420R	1 120R	780R	1 400R	---	---	2 880R	1967
1968	---	---	---	---	1 120R	1 580R	674R	351R	335R	429R	---	---	746R	1968
1969	---	---	---	---	1 610R	1 130R	756R	729R	1 230R	952R	---	---	1 070R	1969
1974	---	---	---	---	---	---	---	---	---	1 680R	1 570R	---	---	1974
1975	---	---	---	---	1 900R	1 840R	1 120R	636R	941R	1 050R	---	---	1 250R	1975
1976	---	---	---	---	1 970R	2 610R	2 490R	3 380R	1 630R	1 680R	---	---	2 320R	1976
1977	---	---	---	---	2 170R	2 550R	2 200R	1 570R	1 230R	1 560R	---	---	1 880R	1977
1978	---	---	---	---	1 710R	1 780R	938R	934R	809R	1 080R	---	---	1 200R	1978
1979	---	---	---	---	1 820R	2 410R	2 020R	1 110R	1 310R	1 070R	---	---	1 520R	1979
1980	---	---	---	---	836R	1 250R	919R	930R	1 480R	1 580R	---	---	1 180R	1980
1981	---	---	---	---	2 460R	1 570R	1 100R	847R	1 280R	1 520R	---	---	1 480R	1981
1982	---	---	---	---	1 850R	1 510R	1 230R	1 310R	1 330R	1 490R	---	---	1 480R	1982
1983	---	---	---	---	1 870R	1 690R	3 480R	1 450R	1 520R	1 470R	---	---	1 930R	1983
1984	---	---	---	---	2 290R	2 450R	1 730R	1 580R	1 720R	1 910R	---	---	1 940R	1984
1985	---	---	---	---	1 980R	2 170R	1 640R	1 220R	1 980R	1 830R	---	---	1 800R	1985
1986	---	---	---	---	1 880	1 380	983	625	745	1 180	---	---	1 150	1986
MEAN	---	---	---	---	2 390R	3 300R	2 190R	1 380R	1 210R	1 380R	1 570R	---	1 970	MEAN

LOCATION - LAT 55 55 09 N LONG 118 36 19 W
DRAINAGE AREA 130 000 km²
REGULATED SINCE 1967

R - REVISED SINCE JAN 1980

PEACE RIVER AT DUNVEGAN BRIDGE - STATION NO 07FD003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1960	---	7 280R ON JUL 1	838R ON OCT 6	44 200 000R	1960
1961	---	8 920R ON MAY 29	538R ON AUG 30	37 000 000R	1961
1962	---	7 820R ON JUN 28	807R ON SEP 30	41 000 000R	1962
1963	---	6 710R ON MAY 28	977R ON SEP 6	41 400 000R	1963
1964	---	11 100R ON JUN 14 *	835R ON MAY 3	58 700 000R	1964
1965	---	6 830R ON JUN 30	762R ON OCT 1	42 400 000R	1965
1966	---	6 510R ON JUN 13	850RE ON OCT 24	43 500 000R	1966
1967	---	9 030R ON JUN 6	660R ON SEP 21	45 800 000R	1967
1968	---	4 250R ON JUN 14	206R ON SEP 5 *	11 800 000R	1968
1969	---	2 570R ON MAY 1	518R ON JUL 15	17 000 000R	1969
1974	---	---	---	---	1974
1975	2 680 AT 15 00 MST ON JUN 30	2 520R ON JUN 30	513R ON AUG 19	19 800 000R	1975
1976	5 580 AT 14 30 MST ON AUG 6 *	5 410R ON AUG 6	1 270R ON SEP 3	36 900 000R	1976
1977	5 320 AT 17 30 MST ON JUN 11	5 270R ON JUN 11	915R ON SEP 26	29 900 000R	1977
1978	2 920 AT 01 30 MST ON JUN 1	2 880R ON JUN 1	561R ON OCT 2	19 100 000R	1978
1979	3 520 AT 05 00 MST ON JUL 5	3 480R ON JUL 5	570RE ON OCT 15	25 700 000R	1979
1980	3 050 AT 18 00 MST ON JUN 20	2 830R ON JUN 20	670RE ON MAY 28	18 400 000R	1980
1981	3 250 AT 18 00 MST ON MAY 28	3 130R ON MAY 28	470RE ON AUG 17	23 300 000R	1981
1982	3 220 AT 21 00 MST ON JUL 16	2 880R ON JUL 17	722R ON AUG 16	23 100 000R	1982
1983	5 390 AT 15 00 MST ON JUL 16	5 310R ON JUL 16	598R ON AUG 16	30 700 000R	1983
1984	9 150 AT 17 30 MST ON JUN 9	8 980RA ON JUN 9	980RE ON SEP 5	30 800 000R	1984
1985	2 820 AT 00 30 MST ON SEP 23	2 670R ON SEP 23	599R ON AUG 7	28 600 000R	1985
1986	2 810 AT 00 00 MST ON MAY 31	2 720 ON MAY 29	425 ON SEP 16	18 200 000	1986
				31 200 000R	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1 1985

PEACE RIVER AT FIFTH MERIDIAN - STATION NO 07KA002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1960	---	---	---	---	---	6 840	5 740	2 050	1 780	1 680	---	---	---	1960
1961	---	---	---	---	---	6 550	2 890	1 190	1 180	1 380	---	---	---	1961
1962	---	---	---	---	---	6 710	6 030	3 380	2 050	1 370	---	---	---	1962
1963	---	---	---	---	---	---	4 080	2 190	---	---	---	---	---	1963
1964	---	---	---	---	---	8 980	5 870	5 690	2 170	2 240	---	---	---	1964
1966	---	---	---	---	---	---	---	2 440	2 010	---	---	---	---	1966
1967	---	---	---	---	---	8 590	3 980	1 850	1 110	---	---	---	---	1967
MEAN	---	---	---	---	---	7 530	4 770	2 690	1 710	1 820	---	---	---	MEAN

LOCATION - LAT 58 39 00 N LONG 114 01 20 W
DRAINAGE AREA 282 000 km²
NATURAL FLOW

PEACE RIVER AT FIFTH MERIDIAN - STATION NO 07KA001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1960	9 850 AT 07 30 MST ON JUN 26 *	9 800 ON JUN 26	---	---	1960
1961	---	9 200E ON MAY 31	---	---	1961
1962	---	8 900E ON JUL 1	---	---	1962
1963	---	---	---	---	1963
1964	---	10 500 ON JUN 17 *	---	---	1964
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1967	---	9 860E ON JUN 7	---	---	1967
MEAN				---	MEAN

E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PEACE RIVER AT FORT VERMILION - STATION NO 07HF001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	---	---	---	944	---	---	---	---	1915
1916	293	227	276	---	---	---	---	---	---	---	---	---	---	1916
1917	---	---	---	---	---	6 461	3 510	1 500	869	910	---	---	---	1917
1918	---	---	---	---	5 300	7 990	6 810	2 250	1 270	---	---	---	---	1918
1919	---	---	---	---	2 760	6 590	6 030	2 860	1 700	---	---	---	---	1919
1920	---	---	---	---	---	7 510	5 740	2 800	1 480	2 210	---	---	---	1920
1921	---	---	---	---	---	7 210	4 550	2 100	1 630	1 850	---	---	---	1921
1922	---	---	---	---	3 770	5 860	2 230	1 070	818	---	---	---	---	1922
1961	---	---	---	---	3 610	6 690	2 780	1 050	1 180	1 600	1 090	378	---	1961
1962	361	421	256	1 220	3 300	6 250	5 930	3 200	1 770	1 310	1 420	380	2 160	1962
1963	331	326	374	---	---	5 700	3 680	1 850	1 410	1 430	867	496	---	1963
1964	336	265	246	713	3 550	8 700	5 810	5 240	1 980	2 030	1 250	287	2 620	1964
1965	322	292	307	1 660	4 290	6 580	5 930	1 750	1 530	1 L O	1 220	454	2 150	1965
1966	284	346	293	1 540	4 280	5 650	4 440	2 270	1 870	1 070	---	---	---	1966
1967	---	---	---	---	---	6 600	3 620	1 620	852	1 470	---	---	---	1967
1968	---	---	---	---	1 880	3 030	1 670	1 030	655	625	---	---	---	1968
1969	---	---	---	---	---	1 820	1 260	1 080	1 640	---	---	---	---	1969
1970	---	---	---	---	2 120	2 510	1 420	1 020	756	971	---	---	---	1970
1971	---	---	---	---	2 370	3 500	3 700	1 270	1 120	1 420	---	---	---	1971
1972	---	---	---	---	4 550	5 250	3 650	2 670	1 480	1 940	---	---	---	1972
1973	---	---	---	---	3 940	3 770	2 540	1 800	1 610	1 800	---	---	---	1973
1974	---	---	---	---	4 930	3 320	2 750	2 050	1 640	1 680	---	---	---	1974
1975	---	---	---	---	2 440	2 520	2 190	936	1 180	1 200	---	---	---	1975
1976	---	---	---	---	2 910	3 370	3 690	4 400	2 280	2 040	---	---	---	1976
1977	---	---	---	---	3 310	4 180	3 020	2 190	1 560	1 960	---	---	---	1977
1978	---	---	---	---	2 400	2 830	1 780	1 280	1 230	1 900	---	---	---	1978
MEAN	321	313	294	1 280	3 430	5 300	3 750	2 080	1 390	1 540	1 170	399	2 320	MEAN

LOCATION - LAT 58 23 15 N
LONG 116 02 05 W

DRAINAGE AREA 223 000 km^2
REGULATED SINCE 1968

PEACE RIVER AT FORT VERMILION - STATION NO 07HF001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	---	---	---	1915
1916	---	---	---	---	1916
1917	---	6 470 ON JUN 6	---	---	1917
1918	11 200 AT 18 00 MST ON JUN 22	11 100 ON JUN 22	---	---	1918
1919	---	8 060 ON JUN 27	---	---	1919
1920	---	8 940 ON JUN 21	---	---	1920
1921	---	8 980 ON JUN 12	---	---	1921
1922	9 340 AT 08 00 MST ON JUN 6	9 260 ON JUN 6	---	---	1922
1961	---	9 910 ON MAY 31	---	---	1961
1962	---	8 690E ON JUL 1	2218 ON MAR 21	68 100 000	1962
1963	---	---	2426 ON JAN 13	---	1963
1964	---	12 400 ON JUN 16 *	1936 ON DEC 6 *	62 600 000	1964
1965	11 800 AT 22 00 MST ON JUL 12 *	11 500 ON JUL 13	2278 ON APR 7	65 600 000	1965
1966	7 500 AT 13 00 MST ON MAY 16	7 460 ON MAY 15	---	---	1966
1967	---	10 400 ON JUN 6	---	---	1967
1968	---	6 060 ON JUN 17	---	---	1968
1969	---	2 760 ON JUN 9	---	---	1969
1970	3 710 AT 20 00 MST ON JUN 6	3 620 ON JUN 8	---	---	1970
1971	8 180 AT 17 00 MST ON JUL 15	7 960 ON JUL 15	---	---	1971
1972	10 830 AT 07 00 MST ON JUN 16	10 400 ON JUN 16	---	---	1972
1973	4 640 AT 21 00 MST ON JUN 22	4 620 ON JUN 21	---	---	1973
1974	---	---	---	---	1974
1975	4 020 AT 18 00 MST ON JUL 3	3 840 ON JUL 3	---	---	1975
1976	6 800E ON AUG 21	6 710E ON AUG 21	---	---	1976
1977	6 510 AT 17 10 MST ON JUN 13	5 340 ON JUN 13	---	---	1977
1978	---	3 820E ON JUN 6	---	---	1978
MEAN				73 200 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PEACE RIVER AT PEACE POINT - STATION NO. 07KC001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	---	---	---	---	---	---	4 730	1 820	2 420	1 680	1 410	731	---	1959
1960	656	600	637	1 230	3 760	7 180	5 280	2 260	1 880	1 480	1 080	606	2 240	1960
1961	624	606	595	663	4 480	7 280	3 180	1 330	1 130	1 460	1 280	675	1 800	1961
1962	686	674	745	884	3 460	7 030	6 850	3 460	2 180	1 510	1 610	560	2 380	1962
1963	583	683	666	---	---	---	3 890	2 290	1 860	1 800	830	616	---	1963
1964	649	592	564	661	3 710	9 780	6 270	5 680	2 230	2 250	1 400	686	2 810	1964
1965	693	680	615	1 270	4 660	7 000	6 230	1 980	1 780	1 800	1 630	835	2 370	1965
1966	696	621	574	1 620	4 950	5 950	4 860	2 720	2 130	1 280	770	612	2 170	1966
1967	634	654	632	614	4 830	8 460	4 010	1 670	1 040	840	776	628	2 070	1967
1968	359	406	385	775	2 280	3 230	2 040	1 140	804	745	525	393	1 080	1968
1969	361	428	434	2 400	3 210	2 150	1 380	1 100	1 580	1 620	915	907	1 380	1969
1970	807	739	767	1 360	2 370	2 600	1 760	1 220	886	1 040	966	867	1 280	1970
1971	810	815	1 010	1 540	2 520	3 240	4 150	1 430	1 240	1 430	1 100	854	1 700	1971
1972	859	865	1 060	1 600	4 760	5 150	4 130	2 740	1 550	1 800	1 600	1 370	2 300	1972
1974	1 440	1 640	1 610	2 800	6 520	4 570	3 380	2 600	2 100	2 040	1 430	858	2 430	1973
	784	1 000	1 130	2 480	7 140	4 070	3 350	2 470	2 070	2 270	1 830	1 460	2 520	1974
1975	1 410	1 370	1 500	1 760	2 540	3 220	2 970	1 480	1 810	1 620	1 340	1 280	1 900	1975
1976	1 350	1 370	1 480	2 450	3 300	3 510	4 520	1 680	2 580	2 120	1 640	1 130	2 520	1976
1977	1 400	1 370	581	2 090	3 610	4 530	3 360	2 520	1 740	1 980	1 620	1 310	2 210	1977
1978	1 650	1 830	1 530	1 780	2 800	3 760	2 020	1 620	1 730	1 830	1 560	1 580	1 850	1978
1979	1 520	1 600	1 520	1 180	4 400	5 010	3 550	1 750	1 640	1 680	1 440	1 610	2 210	1979
1980	853	783	923	1 270	1 430	2 480	1 760	1 430	1 780	2 020	1 570	884	1 430	1980
1981	826	1 120	1 300	2 180	3 860	2 640	1 540	1 650	1 340	1 820	1 760	1 360	1 780	1981
1982	1 320	1 600	1 030	1 280	3 560	2 750	2 760	2 160	1 830	1 750	1 180	1 400	1 890	1982
1983	1 010	753	612	1 030	2 810	2 640	4 900	2 830	1 820	1 820	1 710	1 230	1 840	1983
1984	1 470	1 310	1 080	1 630	2 570	4 010	2 780	2 130	2 140	2 510	1 630	1 540	2 080	1984
1985	1 280	1 040	1 280	2 380	3 700	2 650	2 470	1 500	2 120	2 270	1 700	1 580	2 030	1985
1986	2 130	1 680	1 520	2 060	3 130	3 350	3 080	1 410	1 360	2 050	1 620	1 840	2 110	1986
MEAN	959	930	900	1 570	3 950	4 580	3 850	2 170	1 740	1 760	1 350	886	2 030	MEAN

LOCATION - LAT. 59 06 50 N DRAINAGE AREA 293 000 km²
LONG 112 25 35 W REGULATED SINCE 1968

PEACE RIVER AT PEACE POINT - STATION NO. 07KC001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1959	7 670 AT 07 00 MST ON JUL 3	7 650R ON JUL 3	---	---	1959
1960	10 800 AT 23 00 MST ON JUN 27 *	10 600R ON JUN 28	5508R ON MAR 23	71 300 000R	1960
1961	9 640 AT 12 00 MST ON JUN 2	9 510R ON JUN 2	3308R ON DEC 14	56 700 000R	1961
1962	10 100 AT 22 00 MST ON JUL 3	10 000R ON JUL 3	2728R ON APR 7 *	76 300 000R	1962
1963	---	10 000ER ON JUN 1	3538R ON APR 12	72 700 000R	1963
1964	---	11 500R ON JUN 15 *	3088R ON MAR 27	89 600 000R	1964
1965	---	10 500R ON JUL 15	3608R ON APR 11	74 700 000R	1965
1966	---	7 550R ON JUN 17	3518R ON MAR 26	66 600 000R	1966
1967	---	10 000R ON JUN 7	3628R ON DEC 20	67 700 000R	1967
1968	5 920 AT 17 00 MST ON JUN 19	5 830R ON JUN 19	3468R ON JAN 6	34 800 000R	1968
1969	---	4 610R ON MAY 6	3608R ON MAR 4	41 800 000R	1969
1970	---	3 510R ON JUN 11	7648R ON NOV 25	44 500 000R	1970
1971	7 800 AT 12 00 MST ON JUL 11	* 820R ON JUL 17	8408R ON DEC 26	55 200 000R	1971
1972	9 120 AT 24 00 MST ON JUN 17	6 810R ON JUN 16	7008R ON FEB 5	73 600 000R	1972
1973	6 400 AT 19 00 MST ON JUN 22	6 340R ON JUN 22	11108R ON DEC 15	77 800 000R	1973
1974	---	8 700RE ON MAY 3	6048R ON JAN 5	61 300 000R	1974
1975	6 930 AT 04 00 MST ON JUL 6	6 610R ON JUL 6	2208 ON AUG 22	63 200 000R	1975
1976	7 480 AT 19 25 MST ON AUG 23	7 330R ON AUG 23	2008R ON JAN 15	82 800 000R	1976
1977	7 590 AT 02 50 MST ON JUN 16	6 600R ON JUN 16	8758R ON MAR 30	73 100 000R	1977
1978	---	6 760RE ON JUN 6	1708 ON AUG 15	62 800 000R	1978
1979	---	5 290R ON JUN 10	9108R ON DEC 31	69 700 000R	1979
1980	3 720 AT 02 49 MST ON JUN 12	3 660R ON JUN 11	7568R ON JAN 6	49 700 000R	1980
1981	4 390 AT 15 55 MST ON JUN 2	4 340R ON JUN 2	9208R ON JAN 13	56 800 000R	1981
1982	7 150 AT 17 55 MST ON JUL 21	5 000R ON JUL 21	1708R ON MAR 22	65 800 000R	1982
1983	5 990 AT 12 44 MST ON JUL 22	5 930R ON JUL 22	5428R ON APR 14	52 300 000R	1983
1984	6 520 AT 18 07 MST ON JUN 14	5 420R ON JUN 14	1008R ON MAR 25	66 800 000R	1984
1985	---	4 500RE ON MAY 5	3708R ON FEB 2	64 100 000R	1985
1986	4 940 AT 19 41 MST ON JUN 4	4 930 ON JUN 4	8108 ON SEP 2	56 400 000	1986
				65 600 000R	MEAN

E - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
S - ESTIMATED R - REVISED SINCE JAN. 1 1988

PEACE RIVER AT PEACE RIVER - STATION NO. 07HA001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	4 080	4 490	1 810	704	776	519	304	---	1915
1916	256	285	285	693	2 840	5 190	5 070	1 630	883	676	457	225	1 640	1916
1917	236	222	307	885	2 310	5 280	3 170	1 300	700	510	565	311	1 630	1917
1918	302	321	270	712	3 180	6 070	4 880	2 060	1 040	662	430	312	1 700	1918
1919	293	234	188	681	2 540	6 460	5 240	2 450	1 480	703	447	481	1 750	1919
1920	501	307	270	564	5 280	7 480	5 880	2 300	1 500	2 020	754	381	2 270	1920
1921	367	226	225	1 340	4 050	6 840	4 330	2 050	1 520	1 820	1 070	565	2 070	1921
1922	268	300	344	866	3 080	6 170	1 920	1 810	787	1 380	836	521	1 510	1922
1923	301	230	264	1 150	3 410	6 510	3 420	1 520	1 160	783	858	360	1 880	1923
1924	248	244	240	610	4 440	4 200	2 810	1 590	1 270	1 630	667	457	1 550	1924
1925	347	359	324	1 900	8 220	3 810	1 820	985	1 290	654	555	776	1 380	1925
1926	253	305	443	1 890	2 520	4 220	2 380	1 820	712	781	504	511	1 400	1926
1927	466	428	533	1 200	2 820	6 850	4 090	1 190	884	395	476	327	1 740	1927
1928	504	511	407	1 120	3 900	5 400	2 130	1 430	851	843	470	275	1 580	1928
1929	263	290	311	570	2 840	5 [illegible]00	2 610	1 380	762	1 190	455	340	1 350	1929
1930	258	265	226	1 120	2 510	6 460	3 180	1 540	1 090	940	674	356	1 550	1930
1931	262	232	253	840	3 350	7 260	3 290	1 670	1 210	1 060	---	---	---	1931
1932	---	---	---	---	---	---	---	---	---	1 080	---	---	---	1932
1957	---	---	---	---	---	---	---	---	---	---	---	646	---	1957
1958	457	271	310	2 820	6 310	6 260	2 180	637	811	1 180	643	354	1 680	1958
1959	229R	211R	269R	634R	3 470R	6 700R	3 440R	1 450R	2 040R	1 470R	987R	597R	1 660R	1959
1960	380R	318R	303R	1 060R	4 330R	7 160R	4 630R	1 980R	1 400R	1 470R	930R	442R	2 040R	1960
1961	405R	365R	272R	928R	4 250R	5 760R	2 945R	1 010R	1 190R	1 500R	887R	367R	1 660R	1961
1962	343R	443R	252R	1 620R	3 200R	5 850R	5 100R	2 900R	1 530R	1 670R	1 540R	566R	2 080R	1962
1963	453R	420R	409R	2 540R	5 730R	6 120R	3 100R	1 780R	1 402R	1 420R	727R	513R	2 110R	1963
1964	302R	318R	266R	885R	3 530R	10 400R	5 460R	4 880R	2 040R	2 010R	1 150R	436R	2 650R	1964
1965	350R	330R	354R	2 050R	4 330R	7 210R	5 510R	1 650R	1 460R	1 690R	1 080R	525R	2 240R	1965
1966	387R	386R	303R	1 430R	4 780R	6 870R	4 640R	2 360R	1 880R	1 240R	825R	555R	2 070R	1966
1967	421R	329R	283R	453R	5 520R	6 730R	3 200R	1 530R	1 010R	1 510R	746R	406R	1 070R	1967
1968	340R	333R	405R	865R	1 940R	7 640R	1 490R	875R	822R	803R	540R	371R	920R	1968
1969	446R	432R	508R	1 200R	3 200R	1 770R	1 160R	1 120R	1 720R	1 230R	1 060R	890R	1 170R	1969
1970	881R	864R	1 050R	1 770R	2 040R	2 280R	1 250R	903R	761R	528R	945R	1 100R	1 250R	1970
1971	992R	972R	1 090R	1 540R	2 195R	3 770R	3 320R	1 130R	1 150R	1 380R	1 180R	1 150R	1 650R	1971
1972	1 100R	1 080R	1 160R	2 010R	3 830R	5 970R	2 700R	2 280R	1 340R	1 800R	1 540R	1 460R	2 250R	1972
1973	1 840R	1 720R	1 660R	2 000R	3 560R	2 480R	2 220R	1 720R	1 540R	1 690R	1 400R	1 120R	2 050R	1973
1974	1 240R	1 240R	1 330R	2 030R	4 240R	2 220R	2 460R	1 930R	1 530R	1 850R	1 640R	1 630R	2 140R	1974
1975	1 540R	1 710R	1 620R	1 920R	2 350R	2 540R	1 550R	890R	1 100R	1 130R	1 340R	1 250R	1 610R	1975
1976	1 220R	1 340R	1 380R	2 110R	2 950R	2 590R	3 470R	4 540R	2 160R	2 040R	1 880R	1 600R	2 390R	1976
1977	1 510R	1 200R	831R	2 060R	3 370R	3 870R	3 030R	2 100R	1 540R	1 550R	1 670R	1 910R	2 110R	1977
1978	1 750R	1 780R	1 630R	1 520R	2 240R	2 870R	1 480R	1 100R	1 210R	1 320R	1 470R	1 790R	1 650R	1978
1979	1 740R	1 640R	1 180R	1 730R	2 960R	3 610R	2 980R	1 340R	1 470R	1 160R	1 450R	1 060R	1 880R	1979
1980	1 680R	1 300R	831R	1 030R	1 620R	2 710R	1 580R	1 250R	1 930R	1 900R	1 510R	1 070R	1 510R	1980
1981	808R	1 250R	1 740R	2 330R	3 310R	2 330R	1 480R	1 150R	1 400R	1 530R	1 780R	1 650R	1 740R	1981
1982	1 080R	1 700R	1 210R	1 720R	2 700R	2 640R	2 740R	2 340R	1 750R	1 710R	1 640R	1 640R	1 880R	1982
1983	1 040R	634R	573R	1 160R	2 350R	2 600R	4 710R	1 950R	1 850R	1 840R	1 410R	1 520R	1 800R	1983
1984	1 360R	1 050R	624R	1 520R	2 910R	2 490R	2 360R	1 900R	2 250R	2 390R	1 850R	1 540R	1 990R	1984
1985	1 220R	1 220R	1 470R	2 280R	2 620R	2 600R	2 140R	1 470R	2 240R	2 070R	1 890R	1 610R	1 390R	1985
1986	1 690	1 670	1 300	2 110	2 240	2 520	1 890	909	886	1 460	1 450	1 470	1 680	1986
MEAN	751R	695R	669R	1 420R	3 410R	4 880R	3 230R	1 720R	1 340R	1 370R	1 050R	642R	1 780	MEAN

LOCATION - LAT 56 14 01 N DRAINAGE AREA 186 000 km²
LONG 117 18 46 W REGULATED SINCE 1967

R - REVISED SINCE JAN 1986

PEACE RIVER AT PEACE RIVER · STATION NO 07HA001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	GREATEST INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	9 800 ON JUL 14	---	---	1915
1916	---	7 420 ON JUL 6	1908 ON DEC 14	52 000 000	1916
1917	---	6 260 ON JUN 6	1978 ON APR 6	45 100 000	1917
1918	---	8 010 ON JUN 20	2488 ON MAR 20	53 700 000	1918
1919	---	9 030 ON JUN 25	1808 ON MAR 28 *	55 300 000	1919
1920	---	9 540 ON JUN 19	2078 ON DEC 30	71 800 000	1920
1921	---	8 750 ON JUN 10	2558 ON MAR 22	65 500 000	1921
1922	---	10 800 ON JUN 6	2358 ON FEB 3	47 700 000	1922
1923	8 290 ON JUN 15	8 240 ON JUN 17	2278 ON FEB 19	53 300 000	1923
1924	---	7 980 ON MAY 19	2298 ON MAR 1	49 100 000	1924
1925	---	7 790 ON MAY 21	2838 ON JAN 13	43 900 000	1925
1926	---	8 180 ON JUN 19	3458 ON JAN 17	44 300 000	1926
1927	---	8 780 ON JUL 8	3118 ON DEC 28	54 700 000	1927
1928	---	6 680 ON JUN 2	2588 ON DEC 14	50 000 000	1928
1929	---	8 170 ON JUN 8	2498 ON JAN 25	42 800 000	1929
1930	---	9 250 ON JUN 20	2218 ON MAR 13	48 800 000	1930
1931	---	---	---	---	1931
1932	---	---	---	---	1932
1957	---	---	---	---	1957
1958	11 600 AT 12 30 MST ON MAY 31	11 200 ON MAY 31	2448 ON NOV 27	52 900 000	1958
1959	9 270 AT 15 00 MST ON JUN 28	8 180R ON JUN 7	2618R ON MAR 15	58 500 000R	1959
1960	12 000 AT 08 00 MST ON JUN 23	11 800R ON JUN 23	2698R ON MAR 16	86 800 000R	1960
1961	10 700 AT 07 00 MST ON MAY 29	10 700R ON MAY 29	3118R ON MAR 10	91 800 000R	1961
1962	9 330 AT 13 00 MST ON JUN 29	9 150R ON JUN 29	1878R ON MAR 29	85 700 000R	1962
1963	8 920 AT 23 00 MST ON MAY 25	8 890R ON MAY 25	2928R ON NOV 22	86 600 000R	1963
1964	---	12 500R ON JUN 14	2398R ON MAR 27	83 900 000R	1964
1965	10 000 AT 03 00 MST ON JUL 11	13 300R ON JUL 11	2878R ON APR 6	70 800 000R	1965
1966	---	8 380R ON MAY 13	2838R ON MAR 28	85 400 000R	1966
1967	11 600 AT 01 00 MST ON JUN 5	11 300R ON JUN 5	2738R ON MAR 15	85 100 000R	1967
1968	9 310 AT 01 00 MST ON JUN 15	6 850R ON JUN 15	1868R ON NOV 20	38 100 000R	1968
1969	8 710 AT 22 00 MST ON MAY 1	8 620R ON MAY 2	2628R ON JAN 1	37 100 000R	1969
1970	8 970 AT 03 00 MST ON JUN 8	8 710R ON JUN 8	891R ON SEP 8	38 400 000R	1970
1971	10 100 AT 13 00 MST ON JUL 13	9 860R ON JUL 13	818R8 ON JAN 14	52 200 000R	1971
1972	15 900 AT 15 00 MST ON JUN 14 *	14 100R ON JUN 14 *	600R8 ON JAN 26	71 000 000R	1972
1973	9 880 AT 11 30 MST ON MAY 19	4 530R ON MAY 19	698R8 ON DEC 29	84 500 000R	1973
1974	---	7 280R8 ON APR 26	810R8 ON JAN 24	67 400 000R	1974
1975	6 330 AT 01 00 MST ON JUL 1	4 130R ON JUL 1	748R ON AUG 20	50 800 000R	1975
1976	7 880 AT 00 30 MST ON AUG 19	7 700R ON AUG 19	698R8 ON JAN 2:	76 500 000R	1976
1977	8 680 AT 08 00 MST ON JUN 11	5 870R ON JUN 11	868R8 ON MAR 30	86 500 000R	1977
1978	9 710 AT 17 00 MST ON JUN 7	3 650R ON JUN 7	762R ON AUG 9	52 100 000R	1978
1979	9 230 AT 06 30 MST ON JUN 18	5 180R ON JUN 18	540R8 ON DEC 29	59 200 000R	1979
1980	8 630 AT 11 30 MST ON JUN 6	4 710R ON JUN 6	530R8 ON MAR 13	47 700 000R	1980
1981	8 800 AT 00 00 MST ON MAY 29	4 420R ON MAY 29	650R8 ON JAN 15	55 000 000R	1981
1982	12 200 AT 07 30 MST ON JUL 17	10 800R ON JUL 17	1 020P ON NOV 2	82 800 000R	1982
1983	9 610 AT 15 00 MST ON JUL 17	7 140R ON JUL 17	500R8 ON MAR 3	96 800 000R	1983
1984	9 000 AT 00 00 MST ON JUN 10	6 800R ON JUN 10	678R8 ON MAR 6	83 000 000R	1984
1985	8 960 AT 18 00 MST ON MAY 23	3 470R ON MAY 23	831R8 ON JAN 26	82 700 000R	1985
1986	6 720 AT 16 30 MST ON MAY 28	4 590 ON MAY 30	585 ON SEP 17	52 900 000	1986
	B · ICE CONDITIONS	* · EXTREME RECORDED FOR THE PERIOD OF RECORD R · REVISED SINCE JAN 1 1986		55 800 000R	MEAN

PEACE RIVER NEAR CARCAJOU · STATION NO 07HD001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1960	---	---	---	---	---	7 360	5 500	2 080	1 630	1 480	---	---	---	1960
1961	---	---	---	---	---	6 080	2 600	1 030	1 080	1 430	---	---	---	1961
1962	---	---	---	---	3 270	5 800	5 060	2 780	1 550	1 380	---	---	---	1962
1963	---	---	---	---	---	5 580	3 530	1 790	1 330	1 410	---	---	---	1963
1964	---	---	---	---	3 640	9 630	5 380	4 870	1 980	1 980	---	---	---	1964
1965	---	---	---	---	3 880	5 230	5 140	1 720	1 540	1 400	---	---	---	1965
1966	---	---	---	---	---	5 480	4 420	2 340	1 830	---	---	---	---	1966
1967	---	---	---	---	---	8 570	3 270	1 470	986	---	---	---	---	1967
MEAN	---	---	---	---	3 630	6 830	4 490	2 250	1 470	1 510	---	---	---	MEAN

LOCATION · LAT 57 44 30 N DRAINAGE AREA 210 000 km^2
LONG 117 01 55 W NATURAL FLOW

PEACE RIVER NEAR CARCAJOU · STATION NO 07HD001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	GREATEST INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1960	--	11 000 ON JUN 24	---	---	1960
1961	---	9 510 ON MAY 31	---	---	1961
1962	8 590 AT 03 00 MST ON JUL 1	8 500 ON JUL 1	---	---	1962
1963	---	7 670 ON MAY 28	---	---	1963
1964	---	12 100 ON JUN 18 *	---	---	1964
1965	---	11 200 ON JUL 12	---	---	1965
1966	---	---	---	---	1966
1967	10 100 AT 01 30 MST ON JUN 12 *	10 000 ON JUN 12	---	---	1967
		* · EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

PEAVINE CREEK NEAR FALHER - STATION NO 07GH806

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	1.06	0.788	0	0	0.119	0	0	---	---	---	1982
1983	---	---	---	0.275	0	0.289	0.333	0.025	0	0	---	---	---	1983
MEAN	---	---	---	0.679	0.044	0.145	0.167	0.072	0	0	---	---	---	MEAN

LOCATION - LAT 55 38 00 N
LONG 117 14 00 W NATURAL FLOW

PEAVINE CREEK NEAR FALHER - STATION NO 07GH806

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	9.28 AT 01:21 MST ON APR 28 *	---	---	---	1982
1983	---	---	---	---	1983
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

PEAVINE CREEK NEAR FALHER - STATION NO 07GH004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	0.181	0.077	0.554	0.181	0.025	0.001	0.001	0.001	---	---	0.131	1984
1985	---	---	1.86	1.53	0.024	0.001	0.001	0.002	0.006	0.141	---	---	0.456	1985
1986	---	---	3.85	3.50	0.203	0.007	0.074	0.003	0.001	0.001	---	---	0.851	1986
MEAN	---	---	2.00	1.70	0.260	0.066	0.035	0.002	0.003	0.048	---	---	0.513	MEAN

LOCATION - LAT 55 37 41 N DRAINAGE AREA, 537 km^2
LONG 117 15 29 W NATURAL FLOW

PEAVINE CREEK NEAR FALHER - STATION NO 07GH004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	5.00 AT 13:00 MST ON MAY 22	4.728 ON MAY 22	0.08 ON MAR 12 *	2 770	1984
1985	11.4 AT 00:30 MST ON MAR 20	9.82 ON MAR 20	0.08 ON MAR 1	9 850	1985
1986	17.7 B ON MAR 29 *	17.0 B ON MAR 29 *	0 ON SEP 5	20 100	1986
				10 800	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PELICAN CREEK NEAR PAKOWKI ROAD - STATION NO 05AH041

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR FEB TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1960	---	---	2.68	0.447	0.130	0.009	0	0	0	0	---	---	---	1960
1961	---	---	0.083	0.001	0	0	0	0	0	0	---	---	---	1961
1962	---	---	0.833	0.114	0	0	0	0	0	0	---	---	---	1962
1963	---	---	0.646	0.239	0.005	0	2.01	0	0	0	---	---	---	1963
1964	---	---	0.233	1.61	0.869	0.013	0	0	0	0	---	---	---	1964
1965	---	---	0.306	6.32	0.313	0.686	0.415	0.001	0.024	0.032	---	---	---	1965
1966	---	---	3.84	1.03	0.202	0.232	0.015	0	0	0	---	---	---	1966
1967	---	---	1.66	3.80	2.92	0.127	0.001	0	0	0	---	---	---	1967
1968	---	---	0.593	0.285	0.148	0.250	0.011	0	0	0	---	---	---	1968
1969	---	---	1.43	3.18	0.100	0.003	0	0	0	0	---	---	---	1969
1970	---	---	0.681	2.04	0.101	0.084	0.015	0	0	0	---	---	---	1970
1971	---	---	0.420	2.35	0.151	0.045	0.004	0	0	0	---	---	---	1971
1972	---	---	2.32	0.147	0.024	0.002	0	0	0	0	---	---	---	1972
1973	---	---	0.148	0.071	0.041	0.081	0	0	0	0	---	---	---	1973
1974	---	---	1.10	2.28	0.239	0.026	0.005	0	0	0	---	---	---	1974
1975	---	---	0	2.02	2.72	0.127	0.003	0	0	0	---	---	---	1975
1976	---	---	1.34	0.516	0.025	0	0	0	0	0	---	---	---	1976
1977	---	---	0	0.080	0.016	0	0	0	0	0	---	---	---	1977
1978	---	---	0.503	2.56	0.867	0.071	---	0.003	0.002	0	---	---	---	1978
1979	---	---	4.07	2.15	0.926	0.129	0	0	0	0	---	---	---	1979
1980	---	---	0.102	0.056	0	0	0	0	0	0	---	---	---	1980
1981	---	0.624	0.043	0.006	0.004	0	0	0	0	0	---	---	0.070	1981
1982	---	0	0.704	3.46	0.411	1.22	0	0	0	0	---	---	0.664	1982
1983	---	0.563	0.471	0.033	0.392	0.002	0	0	0	0	---	---	0.170	1983
1984	---	0	0.012	0.157	0.003	0	0	0	0	0	---	---	0.019	1984
1985	---	0	1.37	2.68	0.580	0.010	0	0	0	0	---	---	0.518	1985
1986	---	1.01	0.847	0.026	0.511	0.048	0	0	0.586	0.112	---	---	0.344	1986
MEAN	---	0.383	0.979	1.47	0.436	0.117	0.055	0	0.023	0.005	---	---	0.284	MEAN

LOCATION - LAT 49 34 50 N DRAINAGE AREA, 440 km^2
LONG 110 56 30 W NATURAL FLOW

PELICAN CREEK NEAR PARKWAY ROAD - STATION NO 05AH041

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR FEB TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1960	...	...	...	...	1960
1961	14 9 AT 07 30 MST ON MAR 21	...	...	...	1961
1962	0 603 AT 20 00 MST ON MAR 17	...	...	...	1962
1963	...	...	...	...	1963
1964	40 6 E ...	...	...	...	1964
	... ON JUL 4 *				
1965	...	...	...	...	1965
1966	...	...	...	...	1966
1967	...	...	...	...	1967
1968	17 0 ...	...	...	...	1968
1969	7 96 AT 10 00 MST ON MAY 7	...	...	...	1969
	AT 07 12 MST ON JUN 6				
1970	...	...	...	...	1970
1971	32 6 AT 15 00 MST ON APR 7	...	...	...	1971
1972	9 40 AT 10 30 MST ON APR 7	...	...	...	1972
1973	27 4 AT 08 00 MST ON APR 7	...	...	...	1973
1974	2 11 E AT 07 50 MST ON MAR 17	...	...	...	1974
	12 7 E AT 06 15 MST ON MAR 30				
1975	...	...	...	...	1975
1976	10 1 AT 06 00 MST ON APR 23	...	...	...	1976
1977	...	...	...	...	1977
1978	1 15 AT 13 00 MST ON APR 6	...	...	...	1978
1979	30 3 AT 02 00 MST ON JUL 4	...	...	...	1979
1980	...	...	...	...	1980
1981	...	...	...	...	1981
1982	...	...	...	...	1982
1983	25 6 AT 07 44 MST ON APR 14	3 51 E ON FEB 19	06 ON MAR *	650	1983
1984	5 20 AT 00 01 MST ON MAR 12	22 4 ON APR 14 *		15 200	1984
	0 723 AT 02 11 MST ON APR 9	2 47 ON MAR 11	06 ON FEB	4 000	
1985	...	0 941 ON APR 9	06 ON FEB	446	1985
1986	13 2 AT 06 40 MST ON APR 2	10 2 ON APR 2	06 ON FEB	12 200	1986
	16 7 E AT 05 15 MST ON FEB 21	10 6 E ON FEB 21	06 ON FEB	6 110	
			06 ON FEB	6 930	MEAN

E ICE CONDITIONS
E ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PEKISKO CREEK AT PEKISKO - STATION NO 05BL006

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	...	...	...	...	...	...	...	...	...	...	...	...	...	1912
1913	...	...	...	...	...	...	...	...	...	...	...	...	...	1913
1914	...	...	...	1 36	1 67	4 06	4 16	1 31	0 624	0 787	...	...	...	1914
1915	...	...	...	...	2 10	2 57	1 55	1 32	0 651	0 760	...	...	...	1915
1916	...	...	...	...	2 01	1 84	0 632	0 136	0 185	1 17	...	...	...	1916
1917	...	...	...	0 674	5 56	7 52	4 41	...	...	...	...	...	...	1917
1918	...	...	...	1 70	3 41	8 52	4 41	...	...	...	...	...	...	1918
1919	...	...	...	...	7 55	10 7	3 78	2 45	2 16	1 67	...	...	...	1919
1923	...	...	0 124	0 733	1 34	1 41	1 28	0 674	0 381	0 517	...	...	...	1923
1924	...	...	...	0 664	1 26	0 255	0 256	0 376	0 529	0 421	...	...	...	1924
1925	...	...	0 103	0 671	3 66	14 8	0 091	0 398	0 195	0 201	...	...	...	1925
1926	...	...	0 156	0 635	2 32	5 58	2 28	2 04	0 730	0 411	...	...	0 388	1926
1927	...	...	0 243	1 59	2 26	3 82	0 661	1 66	0 373	0 304	...	...	3 06	1927
1928	...	...	0 267	1 55	0 853	3 79	1 26	0 454	0 676	0 646	...	...	1 62	1928
1929	...	...	0 367	0 865	5 32	7 76	1 80	0 634	4 64	2 36	...	...	...	1929
1930	...	...	1 19	1 67	2 72	4 09	1 86	4 72	0 778	4 51	...	...	1 32	1930
1931	...	...	0 366	1 06	4 28	15 0	3 52	0 836	0 151	0 757	...	...	1 65	1931
	...	...	...	...	...	...	0 653	0 134	...	0 169	...	...	3 35	
MEAN	...	...	0 370	2 56	3 31	2 53	...	...	0 226	0 231	...	...	1 64	MEAN
	...	...	0 165	...	...	...	0 865	0 224	...	0 187	...	...	2 70	
	...	...	...	...	...	...	...	...	...	...	...	...	1 26	
	...	...	0 233	1 26	3 21	5 94	1 77	0 850	1 09	1 05	...	...	...	

LOCATION - LAT 50 25 40 N
LONG 114 13 30 W

DRAINAGE AREA 203 km^2
NATURAL FLOW

PEKISKO CREEK AT PEKISKO - STATION NO 05BL006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	...	...	...	...	1912
1913	...	...	...	...	1913
1914	...	...	...	...	1914
1915	...	28 2 ON JUN 15	...	...	1915
1916	...	5 17 ON JUN 26	...	...	1916
1917	...	3 31 ON JUN 28	...	...	1917
1918	...	...	...	...	1918
1919	...	18 5 ON JUN 28	...	...	1919
	...	15 0 ON JUN 5	...	...	
1923	...	24 7 ON JUN 2	...	...	1923
1924	...	2 66 ON MAY 31	...	...	1924
	...	1 67 ON MAY 21	...	...	
1925	...	55 1 E ON JUN 1 *	0 060 ON JUL 6 *	...	1925
1926	...	11 9 ON JUN 14	0 0710 ON MAR 3	6 380	1926
1927	...	...	0 1220 ON MAR 15	...	1927
1928	...	12 4 ON JUN 11	...	64 600	1928
1929	...	14 1 ON JUN 22	0 1136 ON MAR 1	32 200	1929
	...	16 4 ON JUN 11	0 1766 ON MAR 15	...	
1930	...	11 8 ON JUL 1	0 2668 ON MAR 10	26 000	1930
1931	...	55 0 E ON JUN 3	0 2838 ON MAR 1	40 000	1931
	...	...	0 062 ON OCT 2	71 100	
	...	5 10 ON MAY 30	...	61 100	
	...	0 166 ON MAR 29	0 0548 ON MAR 5	57 200	
	...	...	0 0650 ON MAR 1	...	
	...	...	...	27 200	
	...	...	...	...	
	...	...	...	41 100	MEAN

E ICE CONDITIONS
E ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PEKISKO CREEK NEAR LONGVIEW - STATION NO. 05BL023

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	0.054	0.630	0.51	1.05	0.884	0.159	0.020	0.045	---	---	2.24	1967
1968	---	---	0.363	0.370	1.31	2.93	0.818	0.467	0.970	1.16	---	---	1.04	1968
1969	---	---	0.466	3.15	6.32	1.05	5.67	0.393	0.214	0.345	---	---	2.74	1969
1970	---	---	0.080	0.586	3.70	6.19	1.01	0.140	0.184	0.230	---	---	1.26	1970
1971	---	---	0.366	1.55	2.58	3.38	0.376	0.036	0.064	0.380	---	---	1.04	1971
1972	---	---	0.619	1.80	5.99	2.31	0.982	0.012	0.437	0.598	---	---	1.78	1972
1973	---	---	0.287	0.825	3.32	2.45	0.662	0.171	0.319	0.236	---	---	1.00	1973
1974	---	---	0.322	1.72	5.86	4.38	0.725	0.479	0.965	0.583	---	---	1.81	1974
1975	---	---	0.132	1.05	5.05	5.23	2.85	0.600	0.228	0.250	---	---	1.95	1975
1976	---	---	0.294	0.830	2.22	0.871	0.210	0.53	0.586	0.270	---	---	1.24	1976
1977	---	---	0.369	0.402	0.856	0.316	0.073	0.080	0.556	0.483	---	---	0.441	1977
1978	---	---	0.567	1.21	3.82	3.82	1.81	0.772	0.854	0.906	---	---	1.60	1978
1979	---	---	0.481	1.38	3.03	1.80	0.480	0.280	0.204	0.128	---	---	1.07	1979
1980	---	---	0.126	1.50	3.09	3.67	0.381	0.385	0.842	0.582	---	---	1.15	1980
1981	---	---	0.315	0.353	1.16	5.10	1.71	0.722	0.139	0.300	---	---	1.95	1981
1982	---	---	0.023	0.841	1.00	2.75	0.036	0.063	0.112	0.227	---	---	0.599	1982
1983	---	---	0.180	1.25	2.15	1.00	0.310	0.041	0.015	0.038	---	---	0.631	1983
1984	---	---	0.161	0.324	0.730	0.980	0.135	0.004	0.005	0.017	---	---	0.289	1984
1985	---	---	0.113	0.533	0.852	1.02	0.065	0.200	2.13	1.33	---	---	0.773	1985
1986	---	---	0.745	0.927	3.21	1.90	0.822	0.166	0.515	1.36	---	---	1.13	1986
MEAN	---	---	0.285	1.00	3.02	3.20	1.00	0.549	0.624	0.631	---	---	1.29	MEAN

LOCATION - LAT. 50 28 26 N DRAINAGE AREA 232 km²
LONG. 114 12 20 W NATURAL FLOW

PEKISKO CREEK NEAR LONGVIEW - STATION NO. 05BL023

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)		MAXIMUM DAILY DISCHARGE (m³/s)		MINIMUM DAILY DISCHARGE (m³/s)		TOTAL DISCHARGE (dam³)	YEAR
1967	92.0	AT 01 00 MST ON MAY 31	43.6	ON MAY 31	0 B	ON MAR 1 *	47 400	1967
1968	7.56	AT 12 30 MST ON JUN 9	6.99	ON JUN 10	0.227	ON AUG 11	22 000	1968
1969	---	---	68.7	ON JUN 20 *	0	ON SEP 1	58 100	1969
1970	28.6	AT 03 00 MST ON JUN 14	19.5	ON JUN 14	0.0310	ON MAR 9	25 600	1970
1971	14.6	AT 01 00 MST ON JUN 9	12.0	ON JUN 9	0.005	ON AUG 22	22 100	1971
1972	13.5	AT 11 30 MST ON MAY 25	11.8	ON MAY 25	0 B	ON MAR 1	27 700	1972
1973	11.1	AT 07 00 MST ON MAY 26	9.85	ON MAY 26	0.062	ON AUG 29	21 300	1973
1974	13.2	AT 05 30 MST ON APR 27	10.2	ON MAY 27	0.09	ON AUG 9	32 300	1974
1975	29.7	AT 10 00 MST ON JUN 20	23.3	ON JUN 20	0.093	ON SEP 10	41 200	1975
1976	66.3	AT 22 00 MST ON AUG 5 *	28.5	ON AUG 6	0.0583	ON JUL 20	26 200	1976
1977	2.665	AT 06 00 MST ON APR 5	1.67	ON AUG 23	0.010	ON JUL 25	9 320	1977
1978	8.21	AT 06 00 MST ON MAY 31	7.65	ON MAY 31	0.1390	ON MAR 3	33 900	1978
1979	6.50	AT 01 00 MST ON MAY 17	6.18	ON MAY 25	0.073	ON OCT 5	22 700	1979
1980	10.2	AT 01 00 MST ON JUN 6	8.74	ON JUN 6	0.0700	ON MAR 5	24 600	1980
1981	24.6	AT 01 30 MST ON MAY 22	20.2	ON MAY 22	0.017	ON SEP 19	41 500	1981
1982	4.97	AT 08 58 MST ON JUN 10	4.77	ON JUN 10	0 B	ON MAR 1	14 800	1982
1983	9.67	AT 08 53 MST ON APR 25	7.43	ON APR 25	0	ON SEP 2	13 400	1983
1984	2.28	AT 10 37 MST ON MAY 16	1.95	ON MAY 17	0	ON JUL 25	6 120	1984
1985	17.5	AT 22 40 MST ON SEP 12	10.5	ON SEP 13	0.001	ON AUG 10	16 400	1985
1986	9.60	AT 10 55 MST ON MAY 22	5.51	ON MAY 22	0.040	ON AUG 29	23 900	1986
							27 400	MEAN

A - MANUAL GAUGE B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
(SEE REFERENCE INDEX)

PEMBINA RIVER AT JARVIE - STATION NO 07BC002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1957	---	---	---	---	---	---	---	---	18 4	17 5	---	---	---	1957
1958	---	---	5 12	104	80 7	30 0	51 1	10 4	7 84	6 30	---	---	---	1958
1959	---	---	3 78	19 6	26 6	49 5	36 9	13 9	18 4	17 5	---	---	---	1959
1960	---	---	13 5	37 8	58 0	42 7	72 6	13 7	8 83	8 46	---	---	---	1960
1961	---	---	6 76	26 9	28 3	15 1	11 9	20 5	5 57	6 36	4 76	2 07	---	1961
1962	2 29	1 72	1 84	80 4	89 5	51 2	40 4	39 4	38 1	20 7	18 9	8 34	30 8	1962
1963	5 27	3 83	2 72	120	120	40 4	19 2	8 62	7 34	6 30	2 28	1 96	28 3	1963
1964	1 93	2 37	4 48	5 07	63 2	37 3	38 9	28 2	57 2	57 7	17 1	8 39	27 3	1964
1965	6 83	4 44	6 08	153	181	188	321	56 2	52 3	33 4	19 2	13 3	85 1	1965
1966	5 59	5 85	6 13	77 6	85 2	42 3	54 3	81 4	44 2	21 7	12 8	5 85	35 4	1966
1967	5 07	4 78	4 39	41 0	75 0	58 2	18 7	14 2	4 16	4 71	3 82	0 858	19 7	1967
1968	0 894	0 864	19 6	19 0	34 7	30 5	19 4	40 1	21 9	12 4	7 05	3 07	17 5	1968
1969	1 85	1 78	1 78	75 7	49 9	17 7	76 9	107	55 3	43 4	18 5	13 7	38 8	1969
1970	5 42	5 24	4 47	93 0	52 9	43 5	24 8	16 1	6 86	6 32	4 31	2 16	22 0	1970
1971	1 80	1 83	2 22	104	81 1	117	279	55 3	23 9	23 9	13 0	8 77	59 7	1971
1972	5 01	4 24	6 38	140	117	112	111	38 4	20 5	32 3	14 1	7 32	50 7	1972
1973	5 38	5 69	4 97	57 1	97 9	62 5	41 9	34 5	23 1	21 0	14 4	6 92	31 4	1973
1974	5 03	3 76	5 10	309	289	73 8	116	32 3	22 1	17 5	11 7	5 64	74 5	1974
1975	5 01	4 36	3 88	27 2	61 0	28 1	71 4	20 3	25 6	10 2	5 33	3 97	22 3	1975
1976	4 37	4 72	7 92	84 0	29 6	20 4	25 8	32 6	22 3	10 6	6 00	4 82	21 0	1976
1977	4 78	4 30	4 48	46 9	134	144	59 9	46 6	53 3	38 8	12 9	10 2	46 9	1977
1978	7 54	6 88	18 3	86 2	61 3	98 7	76 3	26 2	70 0	40 5	16 9	12 6	42 0	1978
1979	6 79	5 01	37 7	102	116	74 4	101	32 0	13 9	12 7	8 86	6 11	43 4	1979
1980	4 85	4 16	4 48	83 9	47 2	237	135	57 2	80 1	37 1	20 8	15 5	58 8	1980
1981	10 6	8 39	31 4	85 4	53 3	65 4	35 5	37 1	11 8	10 9	8 54	4 38	28 6	1981
1982	2 01	1 11	4 00	83 8	105	39 1	202	42 8	34 5	28 4	12 6	9 14	48 3	1982
1983	6 23	5 56	6 81	37 8	35 9	31 0	105	23 9	11 0	8 78	9 11	4 70	24 1	1983
1984	6 17	6 20	8 55	26 5	46 1	50 1	14 1	6 00	25 5	27 4	13 1	8 31	19 8	1984
1985	5 72	4 58	9 38	107	53 7	36 2	25 7	20 0	58 2	34 7	15 8	8 12	31 4	1985
1986	6 45	5 78	24 5	61 8	73 7	37 6	254	87 1	36 0	83 8	25 8	13 5	58 1	1986
MEAN	4 93	4 28	9 02	77 6	79 5	84 0	84 1	35 9	28 3	22 8	12 3	7 30	38 6	MEAN

LOCATION : LAT 54 27 05 N DRAINAGE AREA 13 100 km²
LONG 113 59 30 W NATURAL FLOW

PEMBINA RIVER AT JARVIE : STATION NO 07BC002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1957	---	---	---	---	1957
1958	186 AT 10 30 MST ON JUL 3	182 B ON APR 12	---	---	1958
1959	119 AT 06 00 MST ON JUL 2	114 ON JUL 2	---	---	1959
1960	191 AT 21 00 MST ON JUL 5	185 ON JUL 5	---	---	1960
1961	73 3 AT 13 00 MST ON AUG 4	70 2 ON AUG 4	---	---	1961
1962	---	145 ON APR 22	0 7938 ON APR 2	574 000	1962
1963	---	351 ON APR 21	0 8168 ON NOV 18	891 000	1963
1964	215 AT 09 00 MST ON MAY 11	211 ON MAY 11	1 21 B ON JAN 1	862 000	1964
1965	---	549 ON JUL 4	3 57 B ON FEB 15	2 880 000	1965
1966	243 AT 04 00 MST ON AUG 10	240 ON AUG 10	4 25 B ON FEB 3	1 120 000	1966
1967	---	167 B ON APR 29	0 8808 ON DEC 28	822 000	1967
1968	84 3 AT 01 00 MST ON AUG 12	83 7 ON AUG 12	0 5388 ON FEB 20 *	583 000	1968
1969	394 AT 16 34 MST ON AUG 10	385 ON AUG 10	1 56 B ON JAN 9	1 220 000	1969
1970	---	280 B ON APR 15	1 56 B ON NOV 30	695 000	1970
1971	518 AT 22 30 MST ON JUL 16	518 ON JUL 16	1 83 B ON JAN 13	1 880 000	1971
1972	478 AT 00 30 MST ON JUL 1	470 ON JUL 1	4 08 B ON MAR 11	1 500 000	1972
1973	130 AT 23 00 MST ON MAY 10	126 ON MAY 11	3 96 B ON MAR 22	990 000	1973
1974	983 A AT 12 15 MST ON APR 24	974 A ON APR 24 *	3 34 B ON FEB 4	2 350 000	1974
1975	---	183 A ON JUL 3	3 11 B ON DEC 19	704 000	1975
1976	---	155 B ON APR 8	3 34 B ON JAN 1	885 000	1976
1977	411 AT 15 30 MST ON JUN 3	408 ON JUN 3	2 28 B ON FEB 5	1 480 000	1977
1978	214 AT 01 50 MST ON JUL 16	210 ON JUL 15	5 24 B ON MAR 6	1 320 000	1978
1979	258 AT 03 40 MST ON APR 27	251 ON APR 27	3 21 B ON FEB 8	1 370 000	1979
1980	565 AT 15 00 MST ON JUN 10	560 ON JUN 10	2 96 B ON MAR 12	1 880 000	1980
1981	---	147 B ON APR 6	2 05 B ON DEC 31	804 000	1981
1982	---	457 ON JUL 9	0 8308 ON FEB 14	1 520 000	1982
1983	---	220 A ON JUL 12	4 50 B ON DEC 15	758 000	1983
1984	82 7 AT 15 32 MST ON JUN 13	81 6 ON JUN 13	4 10 B ON MAR 18	630 000	1984
1985	177 AT 08 50 MST ON APR 9	154 ON SEP 17	4 44 B ON FEB 6	891 000	1985
1986	1 010 AT 20 30 MST ON JUL 24 *	984 A ON JUL 24	5 75 B ON FEB 8	1 830 000	1986
				1 220 000	MEAN

A : MANUAL GAUGE (SEE REFERENCE INDEX) B : ICE CONDITIONS * EXTREME RECORDED FOR THE PERIOD OF RECORD

PEMBINA RIVER BELOW PADDY CREEK - STATION NO 07BA001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1956	---	---	---	16.9	19.0	19.4	8.67	8.89	---	---	---	---	---	1956
1957	---	---	---	15.1	30.0	16.7	13.4	14.4	13.6	---	---	---	---	1957
1958	---	---	2.39	19.1	47.3	29.9	34.9	6.99	5.32	4.12	---	---	18.8	1958
1959	---	---	1.33	7.43	21.9	51.6	19.0	7.86	8.55	11.2	---	---	16.1	1959
1960	---	---	3.20	14.6	40.4	32.1	34.4	7.19	5.75	6.17	---	---	18.0	1960
1961	---	---	2.06	3.75	21.4	9.70	17.9	14.2	4.23	5.70	---	---	9.92	1961
1962	---	---	1.81	25.1	31.3	18.9	24.4	19.6	21.9	8.92	---	---	19.0	1962
1963	---	---	2.70	48.2	46.3	18.1	9.93	4.99	6.01	3.85	---	---	17.4	1963
1964	---	---	1.83	5.66	50.8	33.9	26.8	16.6	53.8	28.6	---	---	27.2	1964
1965	---	---	2.42	25.2	62.0	98.6	118	16.7	34.8	16.1	---	---	46.6	1965
1966	---	---	1.93	10.3	36.5	19.7	40.9	70.6	21.0	13.6	---	---	26.9	1966
1967	---	---	1.93	11.9	36.2	34.6	11.0	6.46	3.23	3.46	---	---	13.5	1967
1968	---	---	4.52	6.58	31.9	21.5	20.6	32.2	14.5	7.49	---	---	17.4	1968
1969	---	---	1.89	22.6	20.6	17.0	59.6	73.1	26.4	20.5	---	---	30.3	1969
1970	---	---	2.77	7.97	29.5	33.8	14.1	8.18	5.10	4.14	---	---	13.2	1970
1971	---	---	1.80	25.1	28.8	75.8	92.6	12.4	7.21	8.69	---	---	31.5	1971
1972	---	---	2.62	11.7	50.5	98.1	43.8	17.1	13.2	23.7	---	---	32.2	1972
1973	---	---	3.45	28.6	68.3	25.3	16.8	20.4	9.42	8.01	---	---	22.6	1973
1974	---	---	3.00	41.9	85.7	24.4	30.8	12.7	10.5	10.2	---	---	27.4	1974
1975	---	---	1.92	8.77	24.0	16.3	23.2	7.36	5.88	3.44	---	---	11.4	1975
1976	---	---	2.47	18.9	15.5	17.2	15.1	27.0	10.5	5.86	---	---	14.0	1976
1977	---	---	2.11	9.70	88.4	42.6	22.4	28.3	36.2	15.9	---	---	30.7	1977
1978	---	---	3.47	13.6	37.0	61.7	36.4	13.0	39.3	15.4	---	---	27.4	1978
1979	---	---	3.77	9.74	36.7	24.6	14.0	6.86	4.46	5.02	---	---	13.4	1979
1980	---	---	2.06	27.3	28.9	148	69.1	30.4	34.3	14.3	---	---	44.2	1980
1981	---	---	4.04	11.3	33.1	28.7	26.9	18.5	7.33	6.61	---	---	17.1	1981
1982	---	---	1.89	8.16	31.1	21.0	120	15.5	15.4	21.7	---	---	29.5	1982
1983	---	---	2.69	12.2	19.3	22.7	43.6	6.56	4.74	4.80	---	---	14.6	1983
1984	---	---	2.57	9.88	25.9	23.4	5.98	3.49	19.9	14.2	---	---	13.1	1984
1985	---	---	2.42	23.5	20.2	14.9	9.35	18.3	38.4	16.3	---	---	18.3	1985
1986	---	---	3.82	11.0	40.6	17.6	188	26.4	22.4	35.5	---	---	43.4	1986
MEAN	---	---	2.56	16.5	37.5	36.2	39.1	18.5	16.8	11.8	---	---	22.9	MEAN

LOCATION - LAT 53 07 47 N DRAINAGE AREA 2 800 km²
LONG 115 19 30 W NATURAL FLOW

PEMBINA RIVER BELOW PADDY CREEK - STATION NO 07BA001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1956	---	47.98 ON APR 22	---	---	1956
1957	---	83.0 ON MAY 2	---	---	1957
1958	---	170 E ON JUN 30	---	---	1958
1959	134 AT 11 30 MST ON JUN 28	126 ON JUN 28	2.16 B ON MAR 22 0.6238 ON MAR 1 *	391 000 342 000	1959
1960	114 AT 19 30 MST ON JUL 3	112 ON JUL 3	1.42 B ON MAR 1	380 000	1960
1961	---	73.9 ON JUL 31	1.67 B ON MAR 12	210 000	1961
1962	---	80.6 ON MAY 21	1.13 B ON MAR 1	401 000	1962
1963	---	116 ON APR 30	2.07 B ON MAR 24	369 000	1963
1964	---	190 ON MAY 8	0.7858 ON MAR 21	576 000	1964
1965	---	374 ON JUN 1	1.73 B ON MAR 25	887 000	1965
1966	---	260 ON AUG 6	1.10 B ON MAR 1	571 000	1966
1967	---	63.4 ON JUN 10	1.56 B ON MAR 16	287 000	1967
1968	---	58.9 ON AUG 1	3.26 B ON MAR 16	369 000	1968
1969	569 AT 13 08 MST ON AUG 7	496 ON AUG 7	1.42 B ON MAR 11	642 000	1969
1970	182 AT 10 34 MST ON JUN 17	168 ON JUN 17	2.27 B ON OCT 29	279 000	1970
1971	247 AT 21 00 MST ON JUL 12	243 ON JUL 12	1.78 B ON MAR 1	667 000	1971
1972	612 A AT 24 00 MST ON JUN 26	541 A ON JUN 26	1.50 B ON MAR 1	682 000	1972
1973	92.9 AT 22 40 MST ON MAY 16	85.2 ON MAY 7	3.11 B ON MAR 1	477 000	1973
1974	141 AT 13 30 MST ON APR 29	140 ON APR 29	2.83 B ON MAR 1	581 000	1974
1975	76.2 AT 22 00 MST ON JUN 30	74.5 ON JUN 30	1.33 B ON APR 7	241 000	1975
1976	57.2 AT 04 00 MST ON AUG 18	54.9 ON AUG 18	2.32 B ON MAR 1	297 000	1976
1977	208 AT 21 00 MST ON MAY 30	192 ON MAY 31	2.10 B ON MAR 10	650 000	1977
1978	135 AT 00 30 MST ON JUL 13	118 ON JUL 13	2.37 B ON MAR 1	579 000	1978
1979	69.2 AT 01 40 MST ON MAY 2	51.5 ON MAY 19	2.07 B ON MAR 1	284 000	1979
1980	631 ON JUN 6	589 A ON JUN 6	1.91 B ON MAR 1	934 000	1980
1981	87.5 AT 11 50 MST ON JUL 31	82.3 ON JUL 31	2.75 B ON MAR 1	362 000	1981
1982	394 AT 17 10 MST ON JUL 6	361 ON JUL 6	1.86 B ON APR 1	624 000	1982
1983	83.5 AT 12 20 MST ON JUL 4	82.5 ON JUL 4	2.52 B ON MAR 1	309 000	1983
1984	63.2 AT 08 20 MST ON MAY 18	61.7 ON MAY 18	1.94 B ON MAR 1	277 000	1984
1985	120 AT 15 50 MST ON SEP 14	115 ON SEP 14	1.92 B ON MAR 10	388 000	1985
1986	1 100 AT 01 10 MST ON JUL 19 *	989 A ON JUL 19 *	2.76 B ON MAR 12	820 000	1986
				486 000	MEAN

A - MANUAL GAUGE B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
(SEE REFERENCE INDEX) E - ESTIMATED

PEMBINA RIVER NEAR DAPP - STATION NO 07BC001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1931	2.67	2.06	1.13	---	---	---	---	---	---	---	---	---	---	1931
MEAN	2.67	2.06	1.13	---	---	---	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 54 21 20 N DRAINAGE AREA 12 100 km²
LONG 114 00 40 W NATURAL FLOW

PEMBINA RIVER NEAR ENTWISTLE · STATION NO 07BB002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	---	132	44 0	8 82	8 97	7 85	6 25	1 87	---	1914
1915	1 13	0 832	1 67	14 4	11 8	133	138	25 5	12 2	13 4	6 17	2 20	30 2	1915
1916	1 34	1 24	1 92	12 5	28 5	30 3	67 2	26 5	22 9	18 0	10 7	3 55	18 8	1916
1917	2 46	2 02	1 70	11 3	177	72 1	30 7	11 9	11 6	11 8	8 10	3 40	28 9	1917
1918	3 55	2 39	2 32	36 0	35 7	28 9	24 0	10 6	7 57	7 66	4 23	2 25	13 8	1918
1919	22	0 449	0 372	10 3	12 0	14 7	4 89	7 09	48 8	9 82	7 48	4 12	10 1	1919
1920	2 76	1 78	1 08	5 53	194	55 4	17 6	18 5	10 1	9 40	3 86	0 970	27 0	1920
1921	1 89	3 49	3 80	36 9	86 1	31 3	16 2	14 3	8 74	6 95	4 71	3 31	17 9	1921
1922	1 46	0 082	0 026	11 5	40 6	9 18	12 4	7 83	5 25	4 33	3 62	0 841	8 15	1922
1923	0 276	0 152	---	---	---	---	---	---	---	---	---	---	---	1923
1954	---	---	---	---	---	---	---	---	---	---	15 5	6 56	---	1954
1955	2 22	2 68	3 35	27 8	86 7	40 3	18 8	9 52	4 48	5 23	1 93	1 15	17 1	1955
1956	1 22	2 92	2 71	27 1	26 0	27 3	12 5	12 3	8 90	4 49	3 74	2 23	10 8	1956
1957	1 81	1 67	1 35	19 4	39 6	17 8	13 4	14 6	14 1	12 9	11 0	6 88	12 9	1957
1958	2 10	3 57	7 33	33 2	43 5	39 9	38 5	6 88	4 41	3 37	2 28	1 82	15 6	1958
1959	1 07	0 522	1 93	8 37	18 5	54 2	24 7	9 40	13 8	13 4	6 21	4 18	13 1	1959
1960	2 69	2 68	8 43	18 7	56 2	36 2	50 1	7 21	6 43	6 33	3 19	1 37	16 7	1960
1961	1 12	1 57	1 16	5 88	25 5	10 8	13 0	17 9	4 81	6 26	4 55	1 87	7 93	1961
1962	1 88	1 50	1 62	33 1	48 6	29 3	39 8	29 1	27 0	11 8	9 46	7 60	19 7	1962
1963	2 18	1 83	2 65	56 0	87 8	23 3	13 1	5 71	5 73	4 94	2 71	1 30	15 6	1963
1964	1 63	2 11	1 84	7 08	84 7	39 3	39 3	22 0	85 4	38 8	10 2	3 58	24 7	1964
1965	1 03	2 10	2 32	49 3	80 3	132	173	14 5	27 7	14 1	6 20	3 76	42 4	1965
1966	2 20	2 87	4 40	17 7	45 7	25 0	46 5	80 8	27 1	13 9	3 94	5 81	23 2	1966
1967	3 21	2 42	3 85	12 6	52 7	45 9	10 5	8 49	4 03	4 40	3 64	1 28	12 8	1967
1968	1 04	0 947	6 28	7 55	32 9	24 8	22 0	38 7	18 7	10 9	5 27	2 98	14 4	1968
1969	1 62	0 969	1 14	34 5	30 5	17 8	70 6	88 5	34 9	27 1	11 1	8 10	27 5	1969
1970	2 48	1 86	3 11	14 4	34 1	37 6	15 2	8 85	5 54	5 30	2 32	2 03	11 1	1970
1971	1 94	2 31	2 57	45 7	38 4	80 3	145	13 8	7 84	10 5	8 50	3 17	30 6	1971
1972	2 01	1 84	2 53	22 9	86 8	121	52 8	20 0	13 9	24 4	10 5	6 91	28 8	1972
1973	4 43	3 63	3 95	38 4	82 4	34 3	24 8	25 9	12 2	10 8	6 87	3 98	21 2	1973
1974	3 14	3 43	3 63	78 8	125	35 0	49 8	15 8	11 8	10 1	5 41	2 62	28 0	1974
1975	2 53	2 78	2 53	8 73	35 9	22 8	35 2	9 27	7 83	6 72	2 32	1 98	11 5	1975
1976	2 50	2 36	2 83	26 4	20 7	18 6	18 5	29 1	12 4	8 33	3 55	3 17	12 2	1976
1977	2 54	2 20	2 13	12 6	112	61 2	26 8	24 4	39 9	20 2	5 03	4 09	26 8	1977
1978	3 22	2 83	5 01	18 3	89 2	81 3	86 3	17 8	46 6	21 0	10 1	5 86	26 5	1978
1979	2 88	2 19	7 41	27 1	61 9	33 6	24 5	11 9	5 49	7 01	3 87	3 15	18 1	1979
1980	2 73	2 37	2 25	38 2	38 9	210	88 8	36 0	41 9	20 1	8 70	5 15	41 1	1980
1981	3 99	2 98	6 56	14 4	41 6	40 0	28 1	24 4	8 57	6 07	5 00	1 85	15 7	1981
1982	1 54	1 83	2 11	18 3	67 0	27 5	175	20 8	20 4	23 6	7 41	3 48	29 4	1982
1983	3 24	2 93	3 22	21 4	24 7	23 9	86 5	8 61	5 19	6 67	4 58	2 23	16 4	1983
1984	2 18	2 55	3 70	16 3	35 8	28 6	7 85	3 50	24 8	19 3	8 38	4 48	12 9	1984
1985	2 85	2 64	4 78	46 5	28 7	23 3	12 1	19 7	51 1	22 6	7 09	4 48	18 0	1985
1986	3 21	2 69	7 85	15 8	53 6	21 6	229	34 6	23 6	45 6	13 2	6 76	38 6	1986
MEAN	2 21	2 11	3 24	24 2	54 8	48 3	48 5	20 1	18 1	13 0	6 33	3 51	20 3	MEAN

LOCATION · LAT 53 36 18 N DRAINAGE AREA 6 420 km²
LONG 115 00 14 W NATURAL FLOW

PEMBINA RIVER NEAR ENTWISTLE - STATION NO 07BB002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	450 ON JUN 9	---	---	1914
1915	---				1915
1916	---	459 ON JUN 29	0.255B ON FEB 2	953 000	1916
1917	---	206 ON JUL 4	1.08 B ON FEB 6	595 000	1917
1918	---	379 ON MAY 9	1.56 B ON FEB 23	912 000	1918
1919	---	73.6 ON APR 7	0.821B ON DEC 30	430 000	1919
		141 ON SEP 6	0.142B ON MAR 8	317 000	
1920	---				1920
1921	---	311 E ON MAY 9	0.283B ON DEC 26	853 000	1921
1922	---	110 ON MAY 17	0.311B ON JAN 5	564 000	1922
1923	---	77.9 ON MAY 18	0 B ON FEB 13 *	257 000	1923
		---	0 B ON JAN 16	---	
1954	---	---	---	---	1954
1955	---				1955
1956	---	144 ON MAY 24	0.595B ON DEC 29	539 000	1956
1957	---	74.5B ON APR 23	0.481B ON JAN 6	346 000	1957
1958	---	115 ON MAY 2	0.651B ON MAR 9	608 000	1958
1959	136 AT 03 00 MST ON JUN 29	202 ON JUN 30	0.481B ON NOV 25	493 000	1959
		123 ON JUN 19	0.340B ON FEB 22	413 000	
1960	---	152 ON JUL 3	0.568B ON DEC 19	529 000	1960
1961	---	98.5 ON JUL 31	0.311B ON MAR 22	250 000	1961
1962	---	88.3 ON AUG 8	1.08 B ON FEB 6	622 000	1962
1963	---	178 ON MAY 1	0.606B ON DEC 6	498 000	1963
1964	---	236 ON MAY 8	0.640B ON MAR 25	782 000	1964
1965	---				1965
1966	288 AT 11 00 MST ON AUG 7	554 ON JUL 12	0.538B ON MAR 6	1 340 000	1966
1967	89.8 AT 12 00 MST ON JUN 11	255 ON AUG 7	1.27 B ON JAN 27	733 000	1967
1968	86.0 AT 10 11 MST ON AUG 8	85.5 ON JUN 12	0.850 ON DEC 15	403 000	1968
1969	949 AT 05 06 MST ON AUG 8	84.6 ON AUG 8	0.708B ON FEB 5	456 000	1969
		447 ON AUG 8	0.850B ON FEB 18	885 000	
1970	203 AT 01 27 MST ON JUN 18	175 ON JUN 18	1.27 B ON NOV 29	350 000	1970
1971	439 AT 18 00 MST ON JUL 11	430 ON JUL 12	1.70 B ON JAN 24	872 000	1971
1972	687 AT 17 00 MST ON JUN 27	683 ON JUN 27	1.16 B ON MAR 3	910 000	1972
1973	105 AT 03 00 MST ON MAY 8	103 ON MAY 8	2.56 B ON DEC 17	567 000	1973
1974	227 AT 03 10 MST ON APR 28	221 ON APR 28	2.35 B ON DEC 30	915 000	1974
1975	124 AT 01 00 MST ON JUL 1	123 ON JUL 1	1.37 B ON NOV 19	384 000	1975
1976	89.7 AT 01 40 MST ON AUG 19	57.5 ON AUG 19	2.12 B ON NOV 23	385 000	1976
1977	314 AT 11 30 MST ON MAY 31	306 ON MAY 31	1.74 B ON MAR 2	839 000	1977
1978	192 AT 16 30 MST ON JUL 13	182 ON JUL 13	2.10 B ON JAN 16	837 000	1978
1979	70.7 AT 23 10 MST ON MAY 2	68.8 ON MAY 12	1.36 B ON JAN 26	476 000	1979
1980	782 AT 03 50 MST ON JUN 7	715 ON JUN 6	2.10 B ON MAR 4	1 300 000	1980
1981	86.1 AT 06 25 MST ON AUG 1	92.0 ON AUG 1	1.37 B ON DEC 26	485 000	1981
1982	583 AT 04 25 MST ON JUL 7	585 ON JUL 7	1.41 B ON JAN 1	928 000	1982
1983	137 AT 20 00 MST ON JUL 8	126 ON JUL 9	2.20 B ON DEC 8	453 000	1983
1984	80.9 AT 07 40 MST ON MAY 19	78.8 ON MAY 19	1.90 B ON MAR 10	409 000	1984
1985	161 AT 03 50 MST ON SEP 15	157 ON SEP 15	2.04 B ON JAN 22	589 000	1985
1986	1 280 AT 00 40 MST ON JUL 20 *	1 180 A ON JUL 20 *	2.19 B ON FEB 17	1 220 000	1986
				842 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PEYTO CREEK AT PEYTO GLACIER - STATION NO 05DA008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	1.20	4.27	6.47	---	---	---	---	---	1967
1968	---	---	---	---	---	---	5.08	4.34	1.87	---	---	---	---	1968
1969	---	---	---	---	---	3.98	3.85	---	---	---	---	---	---	1969
1970	---	---	---	---	---	4.54	---	---	---	---	---	---	---	1970
1971	---	---	---	---	---	1.99	5.38	8.70	1.12	---	---	---	---	1971
1972	---	---	---	---	0.157	3.55	4.80	6.15	1.29	---	---	---	---	1972
1973	---	---	---	---	---	2.03	4.70	4.87	2.37	---	---	---	---	1973
1974	---	---	---	---	---	3.58	5.86	6.07	3.41	---	---	---	---	1974
1975	---	---	---	---	---	1.17	5.97	---	0.777	---	---	---	---	1975
1976	---	---	---	---	---	1.08	3.50	---	---	---	---	---	---	1976
1977	---	---	---	---	---	2.50	3.73	---	---	---	---	---	---	1977
MEAN	---	---	---	---	0.157	2.56	4.71	6.07	1.81	---	---	---	---	MEAN

LOCATION - LAT 51 41 37 N
LONG 115 32 08 W
DRAINAGE AREA 23.6 km^2
NATURAL FLOW

PEYTO CREEK AT PEYTO GLACIER - STATION NO 05DA008

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	9.71 ON AUG 14	---	---	1967
1968	17.4 AT 21 52 MST ON JUL 11	12.4 ON JUL 12	---	---	1968
1969	16.1 AT 15 40 MST ON JUN 20	9.88 ON JUN 20	---	---	1969
1970	---	12.3 ON AUG 26	---	---	1970
1971	21.1 AT 16 20 MST ON AUG 6 *	16.9 ON AUG 2 *	---	---	1971
1972	16.5 AT 00 30 MST ON AUG 30	10.0 ON AUG 7	---	---	1972
1973	---	8.13 ON JUL 21	---	---	1973
1974	13.0 AT 14 00 MST ON AUG 5	10.9 ON AUG 6	---	---	1974
1975	---	10.2 ON JUL 15	---	---	1975
1976	16.5 AT 20 00 MST ON AUG 15	8.75 ON AUG 16	---	---	1976
1977	15.5 AT 21 30 MST ON AUG 13	8.47 ON AUG 13	---	---	1977
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD	---	---	MEAN

PICHE RIVER NEAR IMPERIAL MILLS - STATION NO 07CA010

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	0.452	1.18	1.24	3.02	2.03	0.992	1.84	2.15	---	---	1.58	1984
1985	---	---	0.595	2.08	7.85	3.69	1.81	0.697	0.400	0.243	---	---	2.16	1985
1986	---	---	0.373	0.691	1.69	1.37	1.58	2.85	0.490	0.059	---	---	1.12	1986
MEAN	---	---	0.473	1.32	3.53	2.69	1.24	1.45	0.843	0.817	---	---	1.62	MEAN

LOCATION - LAT 55 00 35 N LONG 111 42 40 W
DRAINAGE AREA, 1 030 km²
NATURAL FLOW

PICHE RIVER NEAR IMPERIAL MILLS - STATION NO 07CA010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1984	---	5.44 ON JUN 7	0.342B ON MAR 11	33 500	1984
1985	12.4 AT 09 02 MST ON MAY 9 *	12.1 ON MAY 9 *	0.125B ON OCT 28	45 700	1985
1986	3.53 AT 19 40 MST ON AUG 8	3.53 ON AUG 8	0.026A ON OCT 26 *	23 800	1986
				34 300	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PIERRE RIVER NEAR FORT MACKAY - STATION NO 07DA013

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	---	---	0.628	0.290	0.147	0.021	---	1975
1976	0.001	0	0	0.810	0.372	0.242	0.353	0.211	0.129	---	0.048	0	---	1976
1977	0	0	0	0.227	---	0.307	0.839	0.158	0.134	0.316	0.083	0.002	---	1977
MEAN	0.001	0	0	0.419	0.372	0.275	0.496	0.185	0.297	0.303	0.093	0.008	---	MEAN

LOCATION - LAT 57 27 55 N LONG 111 39 14 W
DRAINAGE AREA, 123 km²
NATURAL FLOW

PIERRE RIVER NEAR FORT MACKAY - STATION NO 07DA013

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1975	---	---	---	---	1975
1976	---	1.198 ON APR 15	0B ON JAN 7 *	---	1976
1977	2.72 AT 21 17 MST ON JUL 5 *	1.67 ON JUL 5 *	0B ON JAN 1	---	1977
				---	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PIGEON LAKE CREEK NEAR THE MOUTH - STATION NO 05FA017

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	---	---	---	0.881	0.416	0.100	---	---	---	1974
1975	---	---	0.019	0.914	0.634	0.381	0.225	0.115	0.103	0.028	---	---	0.308	1975
1976	---	---	0.015	0.383	0.051	0.012	0.001	0.001	0.004	0.001	---	---	0.054	1976
1977	---	---	0.001	0.031	0.207	0.170	0.002	0.002	0.003	0.004	---	---	0.052	1977
1978	---	---	0.147	0.101	0.019	---	---	---	---	---	---	---	---	1978
MEAN	---	---	0.046	0.360	0.228	0.181	0.076	0.220	0.132	0.033	---	---	0.138	MEAN

LOCATION - LAT 52 51 05 N LONG 113 53 45 W
DRAINAGE AREA, 383 km²
NATURAL FLOW

PIGEON LAKE CREEK NEAR THE MOUTH - STATION NO 05FA017

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1974	---	---	---	---	1974
1975	---	5.95 B ON APR 21 *			
1976	---	1.55 B ON APR 9	B ON MAR 1 *	6 520	1975
1977	1.05 AT 22 45 MST ON JUN 1 *	0.980 ON JUN 1	ON JUL 17	1 140	1976
1978	---	---	0 ON JUL 28	1 100	1977
			0B ON MAR 1	---	1978
				2 920	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PIGEON LAKE CREEK NEAR USONA - STATION NO. 05FA019

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1979	---	---	0.234	0.321	0.089	0.017	0.003	0	0	0	---	---	0.083	1979
1980	---	---	0	0.471	0.004	0.014	0.056	0.185	0.432	0.490	---	---	0.208	1980
1981	---	---	0.522	0.306	0.923	0.815	1.19	2.18	1.44	2.23	---	---	1.20	1981
1982	---	---	0.041	2.45	2.11	1.81	3.25	1.79	1.05	1.46	---	---	1.75	1982
1983	---	---	0.829	1.54	1.01	0.687	1.03	0.075	0.007	0.014	---	---	0.645	1983
1984	---	---	0.174	0.140	0.132	0.255	0.018	0	0.059	0.110	---	---	0.110	1984
1985	---	---	0.457	2.27	0.128	0.019	0.001	0.036	0.037	0.005	---	---	0.364	1985
1986	---	---	0.457	0.095	0.616	0.070	0.505	0.577	0.029	0.067	---	---	0.305	1986
MEAN	---	---	0.339	0.949	0.827	0.458	0.759	0.807	0.382	0.547	---	---	0.583	MEAN

LOCATION - LAT 52 52 10 N LONG 113 53 47 W DRAINAGE AREA 377 km²
NATURAL FLOW

PIGEON LAKE CREEK NEAR USONA - STATION NO. 05FA019

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1979	1.298 AT 12:05 MST ON MAR 18	1.22 ON APR 21	0 B ON MAR 1 *	1 750	1979
1980	1.978 AT 11:15 MST ON APR 8	1.808 ON APR 9	0 B ON MAR 1	4 400	1980
1981	8.50 AT 23:25 MST ON JUL 31	8.62 ON AUG 1	0.0038 ON MAR 1	25 500	1981
1982	11.7 AT 16:20 MST ON APR 23 *	11.6 ON APR 23 *	0.022 ON OCT 2	37 000	1982
1983	5.258 AT 13:20 MST ON APR 3	4.368 ON APR 3	0 ON AUG 16	13 700	1983
1984	1.71 AT 19:10 MST ON JUN 10	1.068 ON MAR 25	0 B ON MAR 1	2 340	1984
1985	8.23 AT 22:15 MST ON APR 2	8.21 ON APR 2	0 B ON MAR 1	7 710	1985
1986	3.96 AT 13:00 MST ON MAY 17	3.31 ON MAY 17	0.001 ON JUL 7	6 450	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		12 400	MEAN

PIGEON LAKE CREEK NEAR WESTEROSE - STATION NO. 05FA002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	0.743	1.82	2.12	2.53	2.15	0.889	---	---	---	---	1909
1915	---	---	---	0.511	0.552	0.816	2.69	1.38	0.187	0.100	---	---	---	1915
1916	---	---	---	1.61	2.35	2.84	2.87	0.371	0.166	0.286	---	---	---	1916
1924	---	---	---	---	---	---	0.027	0.074	0.040	0.023	0	0	---	1924
1925	0	0	0	0.160	0.417	0.822	0.346	0.184	0.078	0.104	0.109	0.100	0.192	1925
1926	0.127	0.057	0.286	0.452	0.480	0.942	0.725	0.256	0.351	0.570	0.797	0.804	0.490	1926
1927	0.592	0.804	0.777	0.862	1.23	2.10	2.01	0.234	0.198	1.08	0.924	1.02	0.996	1927
1928	1.11	1.58	1.86	1.53	1.42	1.23	1.23	0.313	0.270	0.780	0.515	0.393	1.00	1928
1929	0.401	0.365	0.473	0.533	0.824	0.858	0.341	0.113	0.010	0.003	0	0	0.309	1929
1930	0	0	0	0.001	0.005	0.001	0.017	0.061	0.014	0	0	0	0.007	1930
1931	0	0	0	0	---	---	---	---	---	---	---	---	---	1931
MEAN	0.333	0.404	0.467	0.820	1.01	1.28	1.28	0.510	0.220	0.330	0.336	0.331	0.499	MEAN

LOCATION - LAT 52 57 30 N LONG 113 58 10 W DRAINAGE AREA 284 km²
REGULATED

PIGEON LAKE CREEK NEAR WESTEROSE - STATION NO. 05FA002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1909	---	2.78 ON JUL 10	0 ON APR 1 *	---	1909
1915	---	3.26 ON JUL 20	---	---	1915
1916	---	3.57 ON JUL 17 *	---	---	1916
1924	---	0.227 ON AUG 25	0 ON NOV 1	---	1924
1925	---	0.932 ON JUN 23	0 ON JAN 1	5 060	1925
1926	---	1.23 ON JUN 19	0.0688 ON JAN 22	15 400	1926
1927	---	3.28 ON JUL 14	0.139 ON AUG 26	31 500	1927
1928	---	1.78 E ON FEB 10	0.014 ON AUG 28	31 700	1928
1929	---	0.923 ON MAY 25	0 ON SEP 21	9 760	1929
1930	---	0.074 ON AUG 30	0 ON JAN 1	209	1930
1931	---	---	0 ON JAN 1	---	1931
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		15 800	MEAN

PINCHER CREEK AT PINCHER CREEK - STATION NO 05AA004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	0.615	1.74	1.31	0.231	0.055	1.14	1.69	---	---	---	1910
1911	---	---	---	1.17	6.20	5.92	1.44	1.86	8.72	2.62	---	---	---	1911
1912	---	---	---	2.03	2.39	1.85	1.99	0.516	0.309	0.595	---	---	---	1912
1913	---	---	---	---	4.00	3.83	1.26	0.783	0.381	0.776	---	---	---	1913
1914	---	---	---	1.65	2.83	1.95	0.799	0.585	0.508	2.05	---	---	---	1914
1915	---	---	---	1.57	6.54	9.65	4.75	2.67	1.65	1.95	---	---	---	1915
1916	---	---	---	2.26	3.51	6.20	2.61	0.823	0.663	0.722	---	---	---	1916
1917	---	---	---	1.06	7.53	7.73	1.13	0.241	0.167	0.238	---	---	---	1917
1918	---	---	---	1.09	2.10	1.65	0.406	0.293	0.786	0.484	---	---	---	1918
1919	---	---	0.082	0.742	1.92	0.937	0.186	0.044	0.017	0.326	---	---	0.536	1919
1920	---	---	1.65	1.54	9.95	4.40	1.76	0.276	0.093	0.141	---	---	2.46	1920
1921	---	---	0.150	1.22	2.84	2.51	0.545	0.086	0.215	0.295	---	---	0.976	1921
1922	---	---	0.142	1.07	4.66	3.09	0.990	0.155	0.069	0.126	---	---	1.29	1922
1923	---	---	0.076	0.937	2.86	15.7	2.02	1.13	0.347	0.322	---	---	2.69	1923
1924	---	---	0.300	1.22	2.52	5.44	0.840	1.39	0.434	0.658	---	---	1.60	1924
1925	---	---	0.684	3.73	3.15	2.17	0.387	0.234	0.546	1.80	---	---	1.56	1925
1926	---	---	0.347	1.48	0.663	1.74	0.436	0.207	2.44	2.35	---	---	1.23	1926
1927	---	---	0.712	3.60	12.0	12.5	3.68	1.66	2.60	2.76	---	---	4.97	1927
1928	---	---	1.60	2.36	3.87	5.35	4.30	0.973	0.530	0.577	---	---	2.47	1928
1929	---	---	0.516	1.09	5.01	5.07	0.657	0.155	0.179	0.309	---	---	1.62	1929
1930	---	---	0.926	2.35	4.14	2.85	0.861	0.173	0.166	0.255	---	---	1.45	1930
1931	---	---	0.143	0.371	---	---	---	---	---	---	---	---	---	1931
1935	---	---	---	---	---	---	---	---	---	---	---	---	---	1935
1936	---	---	0.322	1.36	1.63	2.30	---	---	0.023	0.026	---	---	---	1936
1965	---	---	---	---	---	---	---	0.415	0.800	0.799	---	---	---	1965
1966	---	---	0.317	1.60	2.97	4.03	1.19	0.372	0.293	0.262	---	---	1.37	1966
1967	---	---	0.691	1.16	11.0	8.17	1.21	0.123	0.010	0.095	---	---	2.83	1967
1968	---	---	0.278	0.626	2.13	2.63	0.526	0.476	1.69	1.73	---	---	1.29	1968
1969	---	---	0.584	2.59	2.47	7.01	3.25	0.124	0.085	0.249	---	---	2.06	1969
1970	---	---	0.072	0.543	4.26	5.00	0.670	0.037	0.102	0.259	---	---	1.36	1970
1971	---	---	0.159	1.06	3.55	2.86	0.628	0.091	0.163	0.405	---	---	1.11	1971
1972	---	---	1.61	2.80	7.36	4.23	1.60	0.526	0.391	0.561	---	---	2.43	1972
1973	---	---	0.311	0.915	2.08	1.13	0.212	0.034	0.072	0.293	---	---	0.630	1973
1974	---	---	0.856	1.54	3.71	4.49	0.635	0.548	0.234	0.215	---	---	1.55	1974
1975	---	---	0.122	1.26	8.40	10.5	2.21	0.656	0.376	0.532	---	---	3.01	1975
1976	---	---	0.610	1.34	2.63	1.74	0.674	1.10	0.233	0.159	---	---	1.08	1976
1977	---	---	0.103	0.326	0.610	0.334	0.043	0.180	0.305	0.170	---	---	0.259	1977
1978	---	---	0.760	0.789	2.93	2.49	1.55	0.406	0.524	0.260	---	---	1.21	1978
1979	---	---	0.503	1.77	3.93	2.06	0.430	0.256	0.106	0.090	---	---	1.15	1979
1980	---	---	0.174	1.12	3.04	2.48	0.331	0.387	0.620	0.404	---	---	1.08	1980
1981	---	---	0.565	1.25	8.84	4.37	1.27	0.370	0.076	0.171	---	---	2.13	1981
1982	---	---	0.145	0.517	1.41	2.70	0.548	0.088	0.055	0.221	---	---	0.760	1982
1983	---	---	0.265	0.605	1.77	1.17	0.394	0.060	0.045	0.080	---	---	0.551	1983
1984	---	---	0.140	0.366	0.984	1.20	0.230	0.071	0.158	0.557	---	---	0.465	1984
1985	---	---	0.303	0.702	1.40	0.933	0.177	0.380	1.56	1.66	---	---	0.565	1985
1986	---	---	1.59	1.83	3.85	2.07	0.372	0.082	0.790	1.40	---	---	1.67	1986
MEAN	---	---	0.527	1.40	3.89	4.09	1.20	0.493	0.702	0.716	---	---	1.57	MEAN

LOCATION - LAT 49 29 12 N DRAINAGE AREA 155 km²
LONG 113 56 49 W NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1964

PINCHER CREEK AT PINCHER CREEK - STATION NO. 05AA004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	2.80 ON MAY 20	---	---	1910
1911	---	30.0 ON SEP 4	---	---	1911
1912	---	4.67 ON APR 11	---	---	1912
1913	---	7.80 ON APR 16	---	---	1913
1914	---	5.08 ON OCT 16	---	---	1914
1915	---	27.8 ON JUN 3	---	---	1915
1916	---	11.2 ON JUL 2	---	---	1916
1917	---	18.1 ON JUN 11	---	---	1917
1918	---	3.09 ON JUN 11	---	---	1918
1919	---	3.82 ON MAY 28	0.003 ON AUG 19	11 400	1919
1920	---	18.5 ON MAY 8	0.031 ON SEP 22	52 800	1920
1921	---	5.21 ON MAY 21	0.001 ON SEP 2 *	20 700	1921
1922	---	9.34 ON MAY 17	0.031 ON SEP 4	27 200	1922
1923	86.5 ON JUN 1	44.2 ON JUN 1	0.0428 ON MAR 6	81 200	1923
1924	19.1 AT 12:00 MST ON JUN 7	18.0 ON JUN 7	0.1428 ON APR 1	34 000	1924
1925	7.38 AT 08:00 MST ON APR 23	7.08 ON APR 23	0.147 ON AUG 13	33 500	1925
1926	7.76 AT 08:00 MST ON JUN 21	7.08 ON JUN 21	0.130 ON AUG 5	25 000	1926
1927	---	38.2 ON MAY 29	0.1478 ON MAR 2	105 000	1927
1928	25.9 AT 08:00 MST ON JUN 18	21.7 ON JUN 18	0.2078 ON MAR 1	52 300	1928
1929	23.8 AT 18:00 MST ON JUN 3	21.3 ON JUN 3	0.113 ON SEP 1	34 300	1929
1930	7.36 AT 18:00 MST ON JUN 3	6.94 ON MAY 4	0.076 ON SEP 7	30 700	1930
1931	---	---	---	---	1931
1935	---	---	---	---	1935
1936	---	7.56 ON APR 11	---	---	1936
1965	---	---	---	---	1965
1966	15.7 AT 20:00 MST ON JUN 4	12.5 ON JUN 4	0.0088 ON MAR 1	29 000	1966
1967	53.0 AT 20:00 MST ON MAY 17	29.4 ON MAY 17	0.003E ON SEP 6	59 800	1967
1968	8.16 AT 22:03 MST ON SEP 25	6.85 ON SEP 25	0.187 ON MAR 11	27 400	1968
1969	49.8 AT 09:15 MST ON JUN 26	34.5 ON JUN 26	0.042 ON SEP 3	44 100	1969
1970	46.4 AT 17:00 MST ON JUN 13	23.1 ON JUN 13	0.004 ON AUG 27	29 000	1970
1971	6.63 AT 15:30 MST ON MAY 31	6.31 ON MAY 31	0.001 ON AUG 28	23 600	1971
1972	40.2 AT 10:40 MST ON MAY 25	19.5 ON MAY 25	0.0318 ON MAR 3	51 500	1972
1973	4.33 AT 21:30 MST ON MAY 18	4.11 ON MAY 18	0.013 ON AUG 28	13 300	1973
1974	24.5 B AT 18:40 MST ON MAR 17	8.97 ON MAY 1	0.0548 ON MAR 3	32 700	1974
1975	172 AT 02:20 MST ON JUN 20 *	82.4 ON JUN 20 *	0.0888 ON MAR 1	83 700	1975
1976	---	4.36 ON MAY 11	0.133 ON OCT 30	22 800	1976
1977	0.818 AT 14:30 MST ON MAY 11	0.767 ON MAY 12	0.005E ON JUL 24	5 490	1977
1978	7.36 AT 21:40 MST ON MAY 31	4.64 ON JUN 1	0.0518 ON MAR 3	25 700	1978
1979	5.43 AT 01:40 MST ON MAY 17	5.08 ON MAY 27	0.0138 ON MAR 3	24 400	1979
1980	33.7 AT 17:30 MST ON MAY 26	22.0 ON MAY 26	0.083 ON AUG 2	23 100	1980
1981	71.3 AT 08:10 MST ON MAY 22	38.7 ON MAY 22	0.028 ON SEP 19	45 100	1981
1982	4.30 AT 03:20 MST ON JUN 7	3.87 ON JUN 7	0.006 ON SEP 11	16 500	1982
1983	3.72 AT 05:40 MST ON MAY 26	3.56 ON MAY 26	0.011 ON AUG 17	11 700	1983
1984	3.40 AT 06:05 MST ON MAY 16	2.94 ON MAY 16	0.015 ON AUG 28	8 850	1984
1985	8.09 AT 12:40 MST ON SEP 12	5.56 ON SEP 12	0.039 ON AUG 6	18 800	1985
1986	5.48 AT 17:45 MST ON MAY 27	5.18 ON MAY 28	0.033 ON AUG 29	31 100	1986
				33 300	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PINE CREEK NEAR COLINTON - STATION NO. 07CA901

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	---	1.36	0.235	0.440	2.15	0.187	0.019	---	---	---	---	1981
1982	---	---	---	1.82	0.485	0.083	0.390	0.277	0.098	0.035	---	---	0.452	1982
1983	---	---	---	0.530	0.055	0.242	0.716	0.078	0.024	0.036	---	---	0.240	1983
MEAN	---	---	---	1.24	0.258	0.255	1.09	0.184	0.047	0.036	---	---	0.348	MEAN

LOCATION - LAT 54 37 00 N
LONG 113 00 48 W

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

PINE CREEK NEAR COLINTON - STATION NO. 07CA901

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	15.9 AT 07:30 MDT ON JUL 21 *	13.3 ON JUL 21 *	0 ON AUG 26 *	---	1981
1982	8.01 AT 18:01 MST ON APR 20	5.468 ON APR 22	0 B ON APR 1	8 380	1982
1983	4.15 AT 19:35 MST ON JUL 21	2.85 ON JUL 22	0.007 ON SEP 1	4 430	1983
				6 400	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PINE CREEK NEAR GRASSLAND - STATION NO 07CA005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	---	0.243	0.344	0.069	---	---	---	1966
1967	---	---	0	1.83	7.46	1.29	0.320	0.042	0	0	---	---	1.37	1967
1968	---	---	0.672	0.452	0.311	0.061	0.002	0.002	0.008	0.014	---	---	0.190	1968
1969	---	---	0	5.72	1.04	0.337	0.010	0.053	0.171	0.382	---	---	0.950	1969
1970	---	---	0.107	6.92	1.48	0.395	5.38	5.28	2.02	1.81	---	---	2.90	1970
1971	---	---	0.721	19.1	9.43	5.94	17.8	5.73	4.26	3.81	---	---	8.31	1971
1972	---	---	0	11.5	12.5	2.76	0.838	0.853	0.073	0.373	---	---	3.58	1972
1973	---	---	0.512	1.83	2.77	3.20	2.06	1.80	1.35	2.16	---	---	1.94	1973
1974	---	---	0.033	27.7	18.2	4.58	4.88	2.42	1.78	---	---	---	---	1974
1975	---	---	0.014	3.59	4.81	2.61	6.79	3.68	6.54	2.15	---	---	3.77	1975
1976	---	---	0.348	5.40	1.87	0.857	1.34	0.474	0.376	0.686	---	---	1.41	1976
1977	---	---	0.028	4.84	3.56	2.44	0.916	1.25	1.83	2.34	---	---	2.12	1977
1978	---	---	0.558	7.15	3.67	5.61	2.58	3.01	13.7	7.34	---	---	5.53	1978
1979	---	---	0.415	10.7	11.1	8.26	8.78	5.57	2.89	1.67	---	---	5.91	1979
1980	---	---	0.011	0.699	0.099	0.349	0.743	1.82	1.90	1.78	---	---	0.900	1980
1981	---	---	2.00	4.40	0.449	1.80	3.43	0.818	0.123	0.159	---	---	1.84	1981
1982	---	---	0	3.66	0.880	0.088	1.16	0.985	0.446	0.287	---	---	0.954	1982
1983	---	---	0.013	0.909	0.030	0.539	2.73	0.935	0.483	0.359	---	---	0.749	1983
1984	---	---	0.829	0.745	0.756	1.82	0.287	0.033	0.185	0.183	---	---	0.595	1984
1985	---	---	0.457	8.84	5.34	1.18	0.272	0.012	0.004	0.025	---	---	1.98	1985
1986	---	---	1.71	1.94	0.885	0.338	3.47	2.05	1.18	0.904	---	---	1.54	1986
MEAN	---	---	0.421	6.38	4.32	2.17	3.19	1.75	1.89	1.31	---	---	2.44	MEAN

LOCATION - LAT 54 49 12 N DRAINAGE AREA, 1 450 km²
LONG 112 46 34 W NATURAL FLOW

PINE CREEK NEAR GRASSLAND - STATION NO 07CA005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1966	---	---	---	---	1966
1967	27.5 AT 20:00 MST ON MAY 2	27.3 ON MAY 2	0 B ON MAR 1 *	29 100	1967
1968	---	1.058 ON MAR 29	0 ON JUN 25	4 030	1968
1969	21.6 AT 04:03 MST ON APR 15	20.8 ON APR 15	0 B ON MAR 1	20 100	1969
1970	---	21.7 B ON APR 14	0.0288 ON MAR 1	81 200	1970
1971	73.6 AT 11:00 MST ON APR 21	71.6 ON APR 21	0.3828 ON OCT 31	178 000	1971
1972	27.9 AT 09:30 MST ON APR 29	27.5 ON APR 29	0 B ON MAR 1	75 900	1972
1973	---	8.50E ON JUN 20	0.0088 ON MAR 1	41 280	1973
1974	87.2 AT 04:00 MST ON APR 20 *	85.5 ON APR 20 *	---	---	1974
1975	---	13.5 B ON APR 21	0.0148 ON MAR 1	79 700	1975
1976	7.968 AT 08:00 MST ON APR 7	7.738 ON APR 7	0.0318 ON MAR 1	38 900	1976
1977	16.2 B AT 18:30 MST ON APR 9	15.3 B ON APR 10	0.0288 ON MAR 1	44 800	1977
1978	31.1 AT 12:30 MST ON SEP 21	30.8 ON SEP 21	0.0458 ON MAR 1	117 000	1978
1979	31.6 AT 12:20 MST ON APR 28	31.1 ON APR 28	0.059E ON MAR 1	125 000	1979
1980	2.628 AT 19:00 MST ON APR 8	2.57 ON SEP 28	0.0068 ON MAR 1	19 100	1980
1981	-	11.2 B ON MAR 28	0.0288 ON MAR 1	34 700	1981
1982	-	10.7 B ON APR 21	0 B ON MAR 1	30 200	1982
1983	8.13 AT 10:[illegible] MST ON JUL 28	7.83 ON JUL 28	0 B ON MAR 1	15 800	1983
1984	4.428 AT 05:18 MST ON MAR 27	4.22 ON JUN 9	0.007 ON AUG 5	12 800	1984
1985	21.6 B AT 18:35 MST ON APR 3	20.6 B ON APR 3	0.0018 ON MAR 1	41 800	1985
1986	14.2 AT 03:34 MST ON JUL 21	13.8 ON JUL 21	0.0108 ON MAR 1	32 700	1986
				51 800	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PINEPOUND CREEK NEAR SPRING COULEE - STATION NO. 05AE005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	1.30	0.939	0.453	0.158	0.147	0.378	---	---	---	1914
1915	---	---	---	0.402	0.116	0.307	0.208	0.139	0.092	0.068	---	---	---	1915
1916	---	---	---	0.183	0.080	0.189	0.107	0.036	0.015	0.014	---	---	---	1916
1917	---	---	---	---	0.027	0.052	0.004	0.001	0.001	0.243	---	---	---	1917
1918	---	---	---	0.235	0.084	0.083	0.016	0.157	0.216	0.195	---	---	---	1918
1919	---	---	---	0.676	0.183	0.001	0.142	0.624	0.158	0.261	---	---	---	1919
1920	---	---	1.48	1.69	1.42	0.804	2.08	0.100	0.011	1.31	---	---	1.12	1920
1921	---	---	0.153	1.70	0.087	1.59	0.472	0.255	0.390	3.88	---	---	1.04	1921
1922	---	---	0.334	1.43	0.937	0.387	0.051	0.011	0.476	1.72	---	---	0.714	1922
1923	---	---	---	0.480	0.717	5.30	4.99	0.485	3.03	0.209	---	---	---	1923
1924	---	---	---	---	0.248	3.34	0.786	0.105	0.082	---	---	---	---	1924
1925	---	---	0.270	0.398	0.662	0.031	0.023	0.027	0.027	---	---	---	---	1925
1926	---	---	---	---	0.816	0.148	0.143	0.058	0.029	0.788	---	---	---	1926
1927	---	---	0.424	0.520	2.57	1.20	0.530	0.835	2.37	0.554	---	---	1.12	1927
1928	---	---	---	0.554	0.321	0.158	2.51	0.932	0.174	0.192	---	---	---	1928
1929	---	---	2.78	1.17	0.136	0.418	0.067	0.008	0.007	0.273	---	---	0.608	1929
1930	---	---	0.483	0.589	0.310	0.031	0.219	0.042	0.031	0.045	---	---	0.219	1930
1931	---	---	0.200	0.182	0.002	0.009	0	0.100	0.003	0	---	---	0.052	1931
1932	---	---	---	---	2.23	1.35	0.442	0.015	0.084	0.714	---	---	---	1932
1933	---	---	---	0.887	0.445	1.29	0.136	0.018	0.715	0.127	---	---	---	1933
1934	---	---	---	0.805	0.058	0.254	0.170	0.030	0.020	0.837	---	---	---	1934
1935	---	---	---	---	0.195	---	0.022	0.010	0.004	0.181	---	---	---	1935
1936	---	---	---	0.507	0.128	1.96	0.008	0.015	0.005	---	---	---	---	1936
1937	---	---	---	0.237	---	2.30	0.001	0.008	0.033	---	---	---	---	1937
1938	---	---	---	0.205	0.024	0.078	0.206	0	0.010	0.040	---	---	---	1938
1939	---	---	0.556	0.261	0.011	0.091	0.017	0.028	0.034	0.106	---	---	0.138	1939
1940	---	---	0.028	0.043	0.026	0.014	0.017	0.021	0.018	0.124	---	---	0.036	1940
1941	---	---	---	---	0.014	0.007	0.005	0.007	0.012	0.172	---	---	---	1941
1942	---	---	0.537	0.197	0.037	0.021	0.030	0.027	0.036	0.027	---	---	0.114	1942
1943	---	---	---	0.288	0.024	0.003	0.003	0.008	0.025	0.008	---	---	---	1943
1944	---	---	0.005	0.115	0.029	0.005	0.003	---	---	---	---	---	---	1944
1945	---	---	0.180	0.074	0.020	0.008	0	0	0	0.003	---	---	0.036	1945
1946	---	---	0.725	0.861	0.214	0.379	0.217	0.011	0.011	0.085	---	---	0.274	1946
1947	---	---	3.00	0.529	0.134	0.027	0.009	0.409	0.831	0.073	---	---	0.642	1947
1948	---	---	1.18	2.85	1.29	1.63	0.086	0.076	0.061	0.049	---	---	0.895	1948
1949	---	---	0.223	0.138	0.011	0.032	0.006	0.006	0.001	0.226	---	---	0.081	1949
1950	---	---	0.988	0.992	0.012	0.013	0.002	0.008	0.006	1.88	---	---	0.452	1950
MEAN	---	---	0.747	0.621	0.404	0.705	0.383	0.132	0.258	0.449	---	---	0.472	MEAN

LOCATION - LAT 49 18 57 N DRAINAGE AREA, 207 km²
LONG 113 03 52 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1950

PINEPOUND CREEK NEAR SPRING COULEE - STATION NO. 05AE005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	---	---	---	1914
1915	---	5.18 ON APR 22	0 ON APR 27 *	---	1915
1916	---	0.708B ON MAR 21	0 ON AUG 17	---	1916
1917	---	---	0 ON JUL 15	---	1917
1918	---	1.56 ON OCT 18	---	---	1918
1919	---	---	0 ON JUN 5	---	1919
1920	20.3 E AT 14 00 MST ON JUL 15	8.75 E ON JUL 15	0 B ON MAR 1	23 800	1920
1921	---	10.8 E ON JUN 15	0 B ON MAR 7	22 000	1921
1922	21.5 AT 17 30 MST ON JUN 25	7.84 ON APR 22	0 B ON MAR 1	15 100	1922
1923	12.0 AT 05 00 MST ON JUN 23	11.5 ON JUN 2	0.011 ON APR 21	---	1923
1924	---	---	0 ON MAY 31	---	1924
1925	9.46 AT 17 00 MST ON OCT 11	6.83 ON OCT 11	0 B ON MAR 1	---	1925
1926	15.8 AT 17 30 MST ON MAY 15	4.81 ON MAY 15	---	---	1926
1927	18.5 AT 21 30 MST ON MAY 21	17.2 ON MAY 21	0.0280 ON APR 19	23 800	1927
1928	18.1 AT 20 00 MST ON JUN 30	13.1 ON JUL 1	---	---	1928
1929	9.328 AT 18 30 MST ON MAR 10	5.34 B ON MAR 10	0.003 ON JUN 27	12 900	1929
1930	3.91A AT 08 30 MST ON APR 2	3.14 A ON APR 2	0 B ON MAR 1	4 830	1930
1931	5.52 AT 16 00 MST ON AUG 29	1.90 ON AUG 29	0 ON APR 25	1 310	1931
1932	28.7 AT 21 00 MST ON MAY 21	12.4 ON MAY 24	0 ON JUL 28	---	1932
1933	25.6 AT 06 30 MST ON JUN 27	20.7 ON JUN 28	0.003 ON AUG 9	---	1933
1934	8.72 AT 11 45 MST ON OCT 20	6.34 ON OCT 21	0 ON MAR 28	---	1934
1935	---	---	0 ON AUG 14	---	1935
1936	25.5 AT 21 30 MST ON JUN 5	24.7 ON JUN 6	0 B ON APR 1	---	1936
1937	48.7 AT 13 00 MST ON JUN 13	36.8 ON JUN 13 *	0 ON MAY 4	---	1937
1938	21.8 AT 21 30 MST ON JUL 5	3.79 ON JUL 6	0 A ON MAY 11	---	1938
1939	3.96 AT 01 00 MST ON MAR 20	3.11 ON MAR 19	0 ON MAR 1	2 930	1939
1940	4.81 AT 20 00 MST ON OCT 28	1.88 ON OCT 30	0.005 ON JUN 17	770	1940
1941	---	---	---	---	1941
1942	---	2.27 B ON MAR 18	0 B ON MAR 1	2 430	1942
1943	---	---	0 ON JUN 10	---	1943
1944	---	---	0 B ON MAR 1	---	1944
1945	---	1.47 B ON MAR 17	0 B ON MAR 1	755	1945
1946	3.28B AT 18 00 MST ON MAR 13	3.11 ON MAY 28	0.003 ON MAY 25	5 780	1946
1947	34.0 ON MAR 17	16.0 ON MAR 17	0 A ON MAR 1	13 600	1947
1948	56.1 AT 03 00 MST ON APR 17 *	25.6 ON JUN 17	0 B ON MAR 1	16 900	1948
1949	4.53 AT 17 00 MST ON OCT 23	2.44 ON OCT 23	0 B ON MAR 1	1 710	1949
1950	19.4 AT 22 45 MST ON APR 1	10.1 ON OCT 21	0 ON JUN 5	9 570	1950
				9 990	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

PINTO CREEK NEAR GRANDE PRAIRIE - STATION NO. 07GC002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1986	---	---	0.905	3.81	8.35	1.55	1.62	0.256	0.674	1.89	---	---	2.36	1986
MEAN	---	---	0.905	3.81	8.35	1.55	1.62	0.256	0.674	1.89	---	---	2.36	MEAN

LOCATION - LAT 54 50 35 N DRAINAGE AREA, 496 km²
LONG 119 23 22 W NATURAL FLOW

PINTO CREEK NEAR GRANDE PRAIRIE - STATION NO. 07GC002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1986	22.0 ON MAY 21 *	15.5E ON MAY 20 *	0.090B ON MAR 9 *	50 000	1986
				50 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PIPESTONE CREEK BELOW BIGSTONE CREEK - STATION NO. 05FA022

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1979	---	---	---	---	---	---	---	0.038	0.027	0.058	---	---	---	1979
1980	---	---	0.003	5.33	0.725	0.714	1.24	1.24	3.36	1.31	---	---	1.71	1980
1981	---	---	3.34	1.60	0.740	0.325	0.244	1.21	0.231	0.077	---	---	0.974	1981
1982	---	---	0	8.98	5.85	2.01	5.22	0.533	0.210	0.248	---	---	2.87	1982
1983	---	---	0.517	4.80	0.788	1.05	7.48	0.244	0.020	0.038	---	---	1.84	1983
1984	---	---	0.915	1.01	0.338	0.710	0.084	0.008	0.238	0.147	---	---	0.418	1984
1985	---	---	1.53	11.6	1.40	0.058	0.141	0.050	0.038	0.040	---	---	1.83	1985
1986	---	---	2.88	1.11	3.37	0.337	0.583	0.552	0.026	0.238	---	---	1.01	1986
MEAN	---	---	1.31	4.88	1.73	0.748	2.14	0.484	0.519	0.269	---	---	1.52	MEAN

LOCATION - LAT 53 02 25 N DRAINAGE AREA, 1 010 km²
LONG 113 21 54 W NATURAL FLOW

PIPESTONE CREEK BELOW BIGSTONE CREEK - STATION NO. 05FA022

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1979	---	---	---	---	1979
1980	11.7 B AT 00 02 MST ON APR 5	10.2 B ON APR 6	0.001B ON MAR 1	36 300	1980
1981	10.4 AT 19 30 MST ON MAR 19	5.60B ON MAR 17	0.014 ON OCT 23	20 600	1981
1982	45.4 AT 12 20 MST ON APR 24 *	41.4 B ON APR 25 *	0 B ON MAR 1 *	80 800	1982
1983	15.0 AT 04 35 MST ON JUL 8	14.8 ON JUL 8	0.001 ON SEP 29	38 900	1983
1984	5.09 AT 15 00 MST ON APR 1	3.95B ON MAR 25	0.001 ON JUL 27	8 810	1984
1985	28.2 B AT 11 02 MST ON APR 3	23.2 ON APR 7	0.001 ON AUG 28	38 700	1985
1986	---	7.85B ON MAR 2	0.005 ON SEP 1	21 500	1986
				32 200	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PIPESTONE CREEK NEAR MILLET - STATION NO. 05FA007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1925	---	---	---	8.11	---	---	---	---	---	---	---	---	---	1925
MEAN	---	---	---	8.11	---	---	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 53 04 48 N DRAINAGE AREA, 289 km²
LONG 113 27 55 W NATURAL FLOW

PIPESTONE CREEK NEAR MILLET - STATION NO. 05FA007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1925	---	37.7 ON APR 13 *	08 ON APR 1 *	---	1925
				---	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PIPESTONE CREEK NEAR WETASKIWIN - STATION NO. 05PA012

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	0.804	5.32	1.56	0.567	0.153	0.480	0.158	0.146	---	---	1.11	1972
1973	---	---	0.670	4.09	1.34	1.27	3.92	1.74	0.500	0.500	---	---	1.75	1973
1974	---	---	0.041	27.3	12.0	2.44	4.01	0.899	0.721	0.531	---	---	5.92	1974
1975	---	---	0.006	2.00	2.97	0.775	0.094	0.055	0.024	0.017	---	---	0.741	1975
1976	---	---	0.085	1.14	0.149	0.047	0.018	0.006	0.014	0.019	---	---	0.182	1976
1977	---	---	0.029	0.047	0.194	0.058	0.005	0.288	0.024	0.036	---	---	0.086	1977
1978	---	---	0.371	0.433	0.095	0.029	0.011	0.038	0.718	0.493	---	---	0.272	1978
1979	---	---	3.82	3.80	2.20	0.460	0.458	0.044	0.024	0.051	---	---	1.36	1979
MEAN	---	---	0.703	5.52	2.56	0.706	1.08	0.419	0.272	0.224	---	---	1.43	MEAN

LOCATION - LAT 53 02 12 N LONG 113 19 25 W DRAINAGE AREA, 1 030 km² NATURAL FLOW

PIPESTONE CREEK NEAR WETASKIWIN - STATION NO. 05PA012

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	14.2 B ON APR 7	0 B ON MAR 1 *	23 800	1972
1973	18.5 A AT 01:00 MST ON JUL 2	15.8 A ON JUL 2	0.0088 ON MAR 1	37 100	1973
1974	96.0 AT 12:20 MST ON APR 23 *	96.0 ON APR 23 *	0.0408 ON MAR 1	125 000	1974
1975	---	5.888 ON APR 23	0.004 ON JUL 20	15 700	1975
1976	---	4.988 ON APR 6	0.001 ON SEP 25	3 880	1976
1977	4.59 AT 15:10 MST ON AUG 9	2.80 ON AUG 10	0.003E ON JUL 16	1 810	1977
1978	5.328 AT 08:30 MST ON MAR 28	3.378 ON MAR 28	0.007 ON AUG 2	5 780	1978
1979	12.8 B AT 20:00 MST ON MAR 20	10.1 B ON MAR 20	0.017A ON SEP 17	28 700	1979
				30 200	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

PIPESTONE RIVER NEAR LAKE LOUISE - STATION NO. 05BA002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	---	---	---	5.67	2.54	---	---	---	1911
1912	---	0.744	0.394	0.652	7.48	15.8	13.2	14.5	6.36	2.85	4.10	2.73	---	1912
1913	1.21	1.07	0.816	1.55	6.95	21.2	16.1	12.9	8.27	3.67	1.78	1.48	6.36	1913
1914	1.10	0.798	0.819	1.04	8.25	19.3	16.1	8.29	4.82	4.26	1.89	1.01	5.83	1914
1915	1.20	0.762	0.954	2.67	6.82	13.5	16.3	13.7	5.34	3.34	2.01	0.936	5.66	1915
1916	0.881	0.878	0.779	0.770	3.84	23.2	22.5	11.9	7.15	3.18	1.80	0.888	6.44	1916
1917	1.06	0.826	0.908	0.788	7.70	13.7	17.0	8.45	4.85	3.89	1.83	1.25	5.21	1917
1918	0.974	0.586	0.411	1.12	6.34	25.5	14.2	9.25	5.68	3.99	1.40	1.18	5.90	1918
1919	1.54	1.15	0.593	1.26	11.1	16.4	11.6	10.4	5.48	2.02	1.56	1.08	5.38	1919
1920	0.804	0.794	0.801	0.578	3.40	14.6	28.4	10.4	5.16	3.56	---	---	---	1920
1972	---	---	---	---	---	---	---	---	---	3.27	---	---	---	1972
1973	---	---	---	---	9.17	17.6	13.9	8.06	3.67	2.83	---	---	---	1973
1974	---	---	---	---	4.42	27.6	17.3	9.32	4.19	2.42	---	---	---	1974
1975	---	---	---	---	3.72	13.0	14.8	7.24	4.24	2.55	---	---	---	1975
1976	---	---	---	---	12.6	14.5	22.8	14.4	10.3	4.29	---	---	---	1976
1977	---	---	---	---	7.22	16.3	9.32	8.48	5.64	3.34	---	---	---	1977
1984	---	---	---	---	---	---	---	---	8.23	3.59	1.81	1.33	---	1984
1985	1.16	0.881	0.892	1.25	10.1	13.9	11.2	6.90	5.82	3.16	1.78	1.09	4.84	1985
1986	0.915	0.848	0.883	1.24	12.6	33.0	14.7	8.96	4.49	3.37	1.87	1.37	7.02	1986
MEAN	1.07	0.840	0.712	1.17	7.81	18.7	16.3	10.2	5.83	3.27	1.95	1.31	5.85	MEAN

LOCATION - LAT 51 26 02 N LONG 116 10 20 W DRAINAGE AREA, 306 km² NATURAL FLOW

PIPESTONE RIVER NEAR LAKE LOUISE - STATION NO. 05BA002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	---	---	1911
1912	---	29.4 ON AUG 24	---	---	1912
1913	---	32.0 ON JUN 10	0.7088 ON MAR 19	200 000	1913
1914	---	31.4 ON JUN 17	0.8238 ON FEB 5	184 000	1914
1915	---	44.5 ON JUN 26	0.8808 ON DEC 30	179 000	1915
1916	---	67.4 ON JUN 19	0.453 ON APR 22	204 000	1916
1917	---	32.3 ON JUL 4	0.586 ON APR 10	184 000	1917
1918	---	81.0 ON JUN 14	0.3408 ON MAR 29 *	185 000	1918
1919	---	29.7A ON MAY 27	0.3578 ON APR 1	170 000	1919
1920	---	53.2 ON JUL 1	0.439 ON APR 24	---	1920
1972	---	---	---	---	1972
1973	42.5 AT 05:00 MST ON JUN 24	39.6 ON JUN 24	---	---	1973
1974	82.3 AT 22:30 MST ON JUN 24	57.2 ON JUN 24	---	---	1974
1975	33.1 AT 23:30 MST ON JUL 4	25.1 ON JUL 5	---	---	1975
1976	54.9 AT 04:00 MST ON JUL 1	49.0 ON JUL 1	---	---	1976
1977	58.3 AT 20:30 MST ON JUN 8	47.3 ON JUN 8	---	---	1977
1984	---	---	---	---	1984
1985	27.9 AT 04:00 MST ON MAY 25	25.5 ON MAY 25	0.7068 ON FEB 1	153 000	1985
1986	94.1 AT 04:00 MST ON JUN 2 *	84.8E ON JUN 1 *	0.5758 ON MAR 23	221 000	1986
				185 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PIYAMI DRAIN NEAR PICTURE BUTTE - STATION NO. 05AD037

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	0.080	0.705	0.785	0.740	0.570	0.261	---	---	0.524	1972
1973	---	---	---	---	0.378	0.880	0.801	0.590	0.303	0.528	---	---	0.578	1973
1974	---	---	---	---	0.030	0.851	0.857	0.915	0.320	0.548	0.007	---	0.584	1974
1975	---	---	---	---	0.328	0.288	0.685	0.573	0.506	0.359	---	---	0.476	1975
1976	---	---	---	---	0.288	0.834	0.621	0.485	0.494	0.358	---	---	0.479	1976
1977	---	---	---	---	0.231	0.531	0.410	0.330	0.378	0.288	---	---	0.360	1977
1978	---	---	---	---	0.049	0.088	0.584	0.848	0.344	0.288	---	---	0.328	1978
1979	---	---	---	---	0.041	0.539	0.536	0.429	0.228	0.228	---	---	0.332	1979
1980	---	---	---	---	0.297	0.245	0.523	0.348	0.172	0.302	---	---	0.318	1980
1981	---	---	---	---	0.202	0.484	0.884	0.593	0.527	0.441	---	---	0.482	1981
1982	---	---	---	---	0.143	0.511	0.783	0.552	0.501	0.181	---	---	0.438	1982
1983	---	---	---	---	0.077	0.486	0.606	0.435	0.224	0.051	---	---	0.296	1983
1984	---	---	---	---	0.178	0.592	0.152	0.198	0.225	0.203	---	---	0.258	1984
1985	---	---	---	---	0.148	0.525	0.182	0.267	0.333	0.144	---	---	0.267	1985
1986	---	---	---	---	0.048	0.853	0.898	0.459	0.840	0.183	---	---	0.441	1986
MEAN	---	---	---	---	0.188	0.518	0.585	0.512	0.384	0.289	0.007	---	0.403	MEAN

LOCATION - LAT 49 49 49 N
LONG 112 45 43 W
REGULATED

PIYAMI DRAIN NEAR PICTURE BUTTE - STATION NO. 05AD037

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	1.04 ON JUL 19	0 ON MAY 5 *	8 330	1972
1973	---	1.43 A ON JUN 1	0 ON MAY 8	8 220	1973
1974	---	1.85 ON AUG 13	0 ON MAY 8	8 820	1974
1975	---	1.82 ON JUL 30	0 ON OCT 30	7 880	1975
1976	---	1.47 ON AUG 5	0 ON MAY 1	7 820	1976
1977	---	0.884 ON JUN 14	0 ON MAY 1	5 730	1977
1978	---	2.53 ON AUG 23 *	0 ON MAY 19	5 230	1978
1979	---	1.01 ON AUG 24	0 ON MAY 20	5 300	1979
1980	---	2.43 ON MAY 24	0 ON MAY 1	5 020	1980
1981	---	1.84 ON JUN 14	0 ON MAY 1	7 880	1981
1982	---	1.85 ON JUL 1	0 ON MAY 2	6 950	1982
1983	---	0.893 ON JUL 4	0 ON MAY 4	4 700	1983
1984	---	1.06 ON JUN 22	0 ON MAY 3	4 070	1984
1985	---	1.37 ON SEP 13	0 ON MAY 5	4 240	1985
1986	---	1.09 ON JUN 25	0 ON MAY 1	7 010	1986
				6 500	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

POCATERRA CREEK NEAR MOUTH - STATION NO. 05BF004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1931	---	---	---	---	---	---	1.00	0.490	0.398	0.260	---	---	---	1931
1932	---	---	---	---	---	5.86	2.01	1.01	0.870	0.647	0.273	0.141	---	1932
1933	0.116	0.084	0.088	0.207	1.56	4.34	1.89	0.751	0.529	0.448	0.265	0.168	0.880	1933
1934	0.133	0.087	0.080	1.08	2.82	2.10	1.07	0.386	0.233	0.211	---	---	---	1934
1935	---	---	---	0.152	0.817	2.85	1.83	0.799	0.302	0.175	---	---	---	1935
1936	---	---	---	---	---	1.97	0.583	0.275	0.213	0.121	0.046	---	---	1936
1937	---	---	---	---	0.953	2.80	1.54	0.598	0.333	0.331	0.279	---	---	1937
1938	---	---	---	---	---	4.18	---	---	---	---	---	---	---	1938
1939	---	---	---	---	---	1.93	---	---	---	---	---	---	---	1939
1940	---	---	---	---	---	1.59	---	---	---	---	---	---	---	1940
1941	---	---	---	---	---	1.21	---	---	---	---	---	---	---	1941
MEAN	0.125	0.091	0.084	0.480	1.54	2.86	1.40	0.618	0.411	0.298	0.216	0.155	0.880	MEAN

LOCATION - LAT 50 41 42 N DRAINAGE AREA, 83.7 km²
LONG 115 06 50 W NATURAL FLOW

POCATERRA CREEK NEAR MOUTH - STATION NO. 05BF004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1931	---	---	---	---	
1932	---	25.5 ON JUN 2 *	---	---	1931
1933	11.7 AT 22:00 MST ON JUN 16 *	10.1 ON JUN 16	0.0858 ON FEB 18	---	1932
1934	5.80 AT 24:00 MST ON MAY 28	5.15 ON MAY 28	0.0288 ON FEB 18 *	27 700	1933
1935	4.19 AT 01:00 MST ON JUN 18	4.05 ON JUN 18	---	---	1934
1936	6.23 AT 02:30 MST ON JUN 2	5.47 ON JUN 2	---	---	1935
1937	6.09 AT 22:00 MST ON JUN 16	5.18 ON JUN 17	---	---	1936
1938	7.56 AT 23:00 MST ON MAY 26	---	---	---	1937
1939	---	---	---	---	1938
1940	2.86 AT 19:00 MST ON MAY 23	---	---	---	1939
1941	---	---	---	---	1940
					1941

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD — 27 700 MEAN

POINTE-AUX-PINS CREEK NEAR ARDROSSAN - STATION NO. 05EB902

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1979	---	---	---	---	0.239	0.107	0.467	0.055	0.003	0.004	---	---	---	1979
1980	---	---	---	1.05	0.127	0.083	0.086	0.643	0.761	0.210	---	---	---	1980
1981	---	---	---	0.393	0.048	0.023	0.019	0.040	0.005	0	---	---	---	1981
1982	---	---	---	1.31	0.185	0.055	0.488	0.024	0.015	0.005	---	---	---	1982
1983	---	---	0.034	0.461	0.027	1.52	1.03	0.041	0.015	0.009	---	---	0.389	1983
1984	---	---	0.315	0.245	0.034	0.284	0.003	0	0.002	0.002	---	---	0.111	1984
1985	---	---	0.573	1.30	0.232	0.047	0.004	0	0.001	0.004	---	---	0.288	1985
1986	---	---	0.800	0.344	0.075	0	0.177	0.043	0.028	0.061	---	---	0.192	1986
MEAN	---	---	0.431	0.729	0.108	0.278	0.286	0.131	0.104	0.037	---	---	0.240	MEAN

LOCATION - LAT 53 35 55 N DRAINAGE AREA, 106 km²
LONG 113 09 49 W NATURAL FLOW

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

POINTE-AUX-PINS CREEK NEAR ARDROSSAN - STATION NO. 05EB902

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1979	4.13 AT 12:30 MST ON JUL 14	2.86 ON JUL 14	0 ON SEP 17 *	---	1979
1980	5.03 AT 03:54 MST ON APR 11	3.92 ON APR 11	0 ON MAY 15	---	1980
1981	---	---	0 ON MAY 13	---	1981
1982	6.52 AT 02:52 MST ON APR 24	5.88 ON APR 24	0B ON APR 1	---	1982
1983	15.2 AT 12:23 MST ON JUN 25 *	11.8 ON JUN 26 *	0B ON MAR 1	8 230	1983
1984	1.59 AT 09:30 MST ON MAR 25	1.408 ON MAR 25	0B ON MAR 1	2 360	1984
1985	5.09 AT 01:55 MST ON APR 2	4.13 ON APR 2	0B ON MAR 1	5 680	1985
1986	2.54 AT 19:55 MST ON MAR 4	1.828 ON MAR 4	0 ON JUN 1	4 060	1986

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD — 5 080 MEAN

POINTE-AUX-PINS TRIBUTARY NO. 1 NEAR ARDROSSAN - STATION NO. 05EB909

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	---	0.053	0.010	0.001	0.001	0.001	0	0	---	---	---	1981
1982	---	---	---	0.177	0.018	0	0.068	0.001	0	0	---	---	---	1982
1983	---	---	0.003	0.059	0.006	0.265	0.143	0.002	0	0	---	---	0.059	1983
1984	---	---	0.059	0.047	0.016	0.049	0	0	0	0	---	---	0.021	1984
1985	---	---	0.080	0.188	0.037	0.016	0.003	0	0	0	---	---	0.038	1985
1986	---	---	0.142	0.036	0.047	0	0.093	0.020	0.004	0.013	---	---	0.045	1986
MEAN	---	---	0.066	0.093	0.022	0.055	0.051	0.004	0.001	0.002	---	---	0.041	MEAN

LOCATION - LAT 53 34 43 N, LONG 113 08 48 W. DRAINAGE AREA, 17.8 km². NATURAL FLOW. DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

POINTE-AUX-PINS TRIBUTARY NO. 1 NEAR ARDROSSAN - STATION NO. 05EB909

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	---	0.5448 ON MAR 16	0 ON MAY 26 *	---	1981
1982	1.17 AT 02 37 MST ON APR 24	1.05 ON APR 24	0B ON APR 1	---	1982
1983	3.51 AT 13 19 MST ON JUN 25 *	2.86 ON JUN 26 *	0B ON MAR 1	1 250	1983
1984	0.434 AT 14 27 MST ON MAR 25	0.3038 ON MAR 25	0B ON MAR 1	451	1984
1985	0.822 AT 19 25 MST ON APR 1	0.700 ON APR 2	0B ON MAR 1	798	1985
1986	0.586 AT 16 38 MST ON JUL 19	0.512 ON JUL 19	0 ON MAY 30	949	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		862	MEAN

POINTE-AUX-PINS TRIBUTARY NO. 2 NEAR ARDROSSAN - STATION NO. 05EB910

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	---	0.012	0.004	0	0	0	0	0	---	---	---	1981
1982	---	---	---	0.184	0.002	0	0.014	0	0	0	---	---	---	1982
1983	---	---	0.003	0.049	0.003	0.184	0.042	0	0	0	---	---	0.032	1983
1984	---	---	0.044	0.006	0.003	0.018	0	0	0	0	---	---	0.009	1984
1985	---	---	0.096	0.077	0.003	0.002	0	0	0	0	---	---	0.022	1985
1986	---	---	0.121	0.005	0.005	0	0.019	0	0.001	0.002	---	---	0.019	1986
MEAN	---	---	0.086	0.052	0.003	0.031	0.013	0	0	0	---	---	0.021	MEAN

LOCATION - LAT 53 35 48 N, LONG 113 08 49 W. DRAINAGE AREA, 8.34 km². NATURAL FLOW. DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

POINTE-AUX-PINS TRIBUTARY NO. 2 NEAR ARDROSSAN - STATION NO. 05EB910

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	---	0.8978 ON MAR 14	0B ON MAR 20 *	---	1981
1982	1.98 AT 23 49 MST ON APR 21	1.26 ON APR 22	0B ON APR 1	---	1982
1983	4.88 AT 14 15 MST ON JUN 25 *	2.75 ON JUN 25 *	0B ON MAR 1	879	1983
1984	0.317 AT 15 10 MST ON MAR 22	0.2808 ON MAR 23	0B ON MAR 1	190	1984
1985	0.940 AT 22 28 MST ON APR 1	0.679 ON APR 1	0B ON MAR 1	472	1985
1986	1.33 AT 16 38 MST ON MAR 4	0.7898 ON MAR 4	0 ON MAY 28	408	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		438	MEAN

POINTE-AUX-PINS TRIBUTARY NO. 3 NEAR ARDROSSAN - STATION NO. 05EB911

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	---	0.013	0.002	0.001	0.001	0.005	0.003	0.006	---	---	---	1981
1982	---	---	---	0.024	0.001	0	0.008	0	0	0	---	---	---	1982
1983	---	---	0.001	0.010	0.003	0.044	0.015	0.001	0	0	---	---	0.008	1983
1984	---	---	0.009	0.004	0.007	0.006	0	0	0	0	---	---	0.003	1984
1985	---	---	0.015	0.032	0.003	0.002	0	0	0	0	---	---	0.007	1985
1986	---	---	0.014	0.006	0.004	0	0.005	0	0	0.001	---	---	0.004	1986
MEAN	---	---	0.010	0.015	0.003	0.009	0.005	0.001	0.001	0.001	---	---	0.006	MEAN

LOCATION - LAT 53 35 44 N, LONG 113 08 47 W. DRAINAGE AREA, 3.55 km². NATURAL FLOW. DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

POINTE-AUX-PINS TRIBUTARY NO. 3 NEAR ARDROSSAN - STATION NO. 05EB911

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	---	0.0918 ON MAR 18	0B ON MAR 23 *	---	1981
1982	0.303 AT 11:05 MST ON APR 21	0.137 ON APR 24	0B ON APR 1	---	1982
1983	0.700 AT 11:30 MST ON JUN 25 *	0.482 ON JUN 25 *	0B ON MAR 1	193	1983
1984	0.089 AT 19:08 MST ON JUN 6	0.0618 ON MAR 22	0B ON MAR 1	66.5	1984
1985	0.193 AT 12:00 MST ON APR 1	0.193 ON APR 1	0B ON MAR 1	142	1985
1986	---	0.1788 ON MAR 4	0B ON MAR 12	80.6	1986
				121	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

POLICEMAN CREEK AT CANMORE - STATION NO. 05BE009

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	0.498	0.379	0.253	0.141	0.272	0.180	0.346	0.229	---	---	---	1978
1979	---	---	0.313	0.480	0.896	2.48	2.39	2.01	1.33	0.717	0.484	0.332	---	1979
1980	0.270	0.147	0	0.243	2.40	3.14	2.63	2.44	2.17	1.88	---	---	---	1980
MEAN	0.270	0.147	0.270	0.367	1.18	1.92	1.76	1.54	1.28	0.875	0.484	0.332	---	MEAN

LOCATION - LAT 51 05 00 N
LONG 115 22 00 W REGULATED

DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

POLICEMAN CREEK AT CANMORE - STATION NO. 05BE009

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	---	---	---	---	1978
1979	3.40 AT 15:10 MST ON JUN 20	3.03 ON JUN 20	---	---	1979
1980	4.25 AT 21:10 MST ON JUN 17 *	4.10 ON JUN 17 *	0 ON MAR 1 *	---	1980
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

PONTON RIVER ABOVE BOYER RIVER - STATION NO. 07JF003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1962	---	---	---	---	---	65.9	47.0	32.7	31.0	12.5	---	---	---	1962
1963	---	---	0	17.3	31.5	13.1	24.2	35.5	24.2	16.8	---	---	20.3	1963
1964	---	---	0.314	0.731	40.6	14.2	8.54	24.4	18.9	9.85	---	---	14.7	1964
1965	---	---	0.373	3.40	45.3	16.6	28.7	14.9	5.03	4.59	---	---	14.9	1965
1966	---	---	0.005	0.258	40.0	12.6	17.2	10.8	6.80	4.07	---	---	11.5	1966
1967	---	---	0	0.089	84.0	29.1	25.8	31.6	9.81	14.5	---	---	22.1	1967
1968	---	---	0.158	3.21	34.2	29.0	28.1	12.7	8.23	4.54	---	---	15.0	1968
1969	---	---	0.086	21.5	28.5	25.3	9.45	4.25	3.40	3.23	---	---	11.9	1969
1970	---	---	0	3.66	27.0	17.3	4.37	2.10	2.26	1.93	0.250	0	7.32	1970
1971	0	0	0	7.70	15.3	4.80	4.14	1.29	1.72	1.66	---	---	4.55	1971
1972	---	---	0	1.48	52.6	16.4	10.7	3.89	1.17	0.430	---	---	10.9	1972
1973	---	---	0	1.08	27.9	33.6	58.3	45.8	26.6	7.88	---	---	25.2	1973
1974	---	---	0.959	17.2	54.6	19.5	24.5	14.9	7.91	3.53	---	---	17.9	1974
1975	---	---	0.058	7.90	42.4	42.2	29.8	21.0	19.8	13.6	---	---	22.1	1975
1976	---	---	0.293	24.2	44.3	54.5	26.6	15.7	9.84	4.89	---	---	22.5	1976
1977	---	---	0.081	5.92	33.2	27.4	24.5	15.8	8.70	4.83	---	---	15.1	1977
1978	---	---	0.024	2.35	30.0	28.0	11.1	15.0	21.2	11.1	---	---	14.9	1978
1979	---	---	0.098	0.275	42.4	39.1	14.9	3.73	2.77	1.73	---	---	13.1	1979
1980	---	---	0	2.06	2.09	1.96	2.54	2.18	3.08	3.58	---	---	2.18	1980
1981	---	---	0	1.52	31.5	15.7	10.7	4.54	1.53	1.81	---	---	8.43	1981
1982	---	---	0	0.330	30.2	9.79	4.00	3.40	4.06	1.94	---	---	6.74	1982
1983	---	---	0.080	13.8	38.2	22.7	7.49	3.51	2.49	0.875	---	---	11.1	1983
1984	---	---	0	9.24	11.5	19.8	47.3	48.1	20.2	10.2	---	---	20.8	1984
1985	---	---	1.01	3.09	64.4	14.3	14.3	15.6	15.4	8.22	---	---	17.2	1985
1986	---	---	0.306	2.34	55.3	30.8	28.0	18.7	7.61	3.71	---	---	18.4	1986
MEAN	0	0	0.159	6.28	37.0	24.2	20.5	15.1	10.6	6.07	0.250	0	14.5	MEAN

LOCATION - LAT 58 27 53 N DRAINAGE AREA 2 440 km^2
LONG 115 15 23 W NATURAL FLOW

PONTON RIVER ABOVE BOYER RIVER - STATION NO. 07JF003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1962	118 AT 08:45 MST ON JUN 29	116 ON JUN 29	---	---	1962
1963	---	90.9 ON JUL 31	0 B ON MAR 1 *	431 000	1963
1964	---	92.9 B ON MAY 7	0.2558 ON MAR 1	312 000	1964
1965	---	108 ON JUL 25	0.2838 ON MAR 24	316 000	1965
1966	118 ON MAY 10	113 ON MAY 10	0.0038 ON MAR 1	244 000	1966
1967	166 AT 18:00 MST ON MAY 23	161 ON MAY 23	0 B ON MAR 1	487 000	1967
1968	---	73.3 ON JUL 15	0.1429 ON MAR 10	318 000	1968
1969	---	71.1 ON APR 21	0.0458 ON MAR 11	252 000	1969
1970	---	47.3 ON MAY 31	0 B ON MAR 1	155 000	1970
1971	---	45.3 B ON APR 26	0 B ON MAR 1	86 300	1971
1972	103 ON MAY 11	99.7 ON MAY 11	0 B ON MAR 1	230 000	1972
1973	131 AT 03:00 MST ON JUL 28	125 ON JUL 28	0 B ON MAR 1	533 000	1973
1974	126 AT 21:00 MST ON MAY 10	122 ON MAY 10	0.9298 ON MAR 22	379 000	1974
1975	---	75.3 ON JUN 29	0.0428 ON APR 9	487 000	1975
1976	134 ON MAY 1	123 ON MAY 1	0.2558 ON MAR 1	476 000	1976
1977	115 AT 04:00 MST ON MAY 14	108 ON MAY 14	0.0658 ON MAR 21	319 000	1977
1978	63.4 B AT 00:00 MST ON MAY 1	60.0 ON MAY 2	0.0148 ON MAR 3	316 000	1978
1979	112 AT 06:00 MST ON MAY 29	111 ON MAY 29	0.0908 ON MAR 1	277 000	1979
1980	8.11 AT 10:30 MST ON OCT 3	7.31 ON OCT 4	0 B ON MAR 1	46 200	1980
1981	55.5 AT 18:30 MST ON MAY 8	54.6 ON MAY 8	0 B ON MAR 1	179 000	1981
1982	60.2 AT 15:00 MST ON MAY 17	57.8 ON MAY 17	0 B ON MAR 1	143 000	1982
1983	59.7 AT 15:00 MST ON APR 26	59.1 ON APR 26	0.0308 ON APR 6	235 000	1983
1984	201 AT 07:00 MST ON AUG 9 *	198 ON AUG 9 *	0 B ON MAR 1	442 000	1984
1985	144 AT 08:00 MST ON MAY 9	141 ON MAY 9	0.5958 ON MAR 4	384 000	1985
1986	122 AT 18:30 MST ON MAY 13	108 ON MAY 14	0.2058 ON MAR 21	389 000	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		308 000	MEAN

PONY CREEK NEAR CHARD - STATION NO. 07CE003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	---	---	0.783	0.441	2.22	0.475	0.485	---	---	---	1982
1983	---	---	0.037	0.522	0.386	1.41	2.84	1.66	1.37	0.745	---	---	1.10	1983
1984	---	---	0.047	1.00	2.19	2.49	1.98	0.484	0.449	0.862	---	---	1.20	1984
1985	---	---	0.058	1.82	5.44	0.980	0.471	0.217	0.686	0.788	---	---	1.31	1985
1986	---	---	0.087	0.457	1.23	0.524	3.10	0.850	0.213	0.233	---	---	0.852	1986
MEAN	---	---	0.052	0.950	2.31	1.24	1.73	1.10	0.639	0.638	---	---	1.12	MEAN

LOCATION - LAT 55 51 55 N DRAINAGE AREA, 278 km^2
LONG 110 55 00 W NATURAL FLOW

PONY CREEK NEAR CHARD - STATION NO. 07CE003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	---	5.73A ON AUG 5	---	---	1982
1983	6.49 AT 12:43 MST ON JUL 28	5.88 ON JUL 27	0.0338 ON MAR 1	23 200	1983
1984	8.25 AT 23:36 MST ON MAY 21	8.10 ON MAY 22	0.0408 ON MAR 11	25 300	1984
1985	26.0 E AT 10:58 MST ON MAY 6 *	24.4 E ON MAY 6 *	0.0108 ON MAR 4 *	37 700	1985
1986	9.66 AT 15:14 MST ON JUL 19	9.28 ON JUL 19	0.0588 ON MAR 5	18 000	1986
	A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		23 600	MEAN

POPLAR CREEK NEAR FORT MCMURRAY - STATION NO. 07DA007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	---	---	---	---	---	---	1972
1973	0.017	0.014	0.270	0.906	0.426	3.08	1.30	0.831	0.204	0.813	0.252	0.083	0.882	1973
1974	0.016	0.006	0.010	2.48	1.84	0.844	0.577	0.341	0.120	0.183	0.109	0.055	0.531	1974
1975	0.012	0.001	0.002	0.300	1.25	1.11	1.21	0.695	1.34	0.808	0.190	0.028	0.582	1975
1976	0	0	0	0.722	0.225	0.085	0.349	2.78	5.84	2.62	0.548	0.025	1.10	1976
1977	0.003	0.009	0.475	2.42	2.31	2.80	1.76	0.616	0.211	0.884	0.327	0.022	0.989	1977
1978	0	0	0.010	0.434	2.31	1.38	0.630	0.691	9.21	4.04	1.42	0.043	1.88	1978
1979	0.011	0.003	0.013	1.12	9.82	2.55	0.738	1.00	2.83	1.60	1.35	0.237	1.79	1979
1980	0.004	0	0.008	0.859	0.808	0.718	0.114	5.54	3.90	2.42	0.723	0.157	1.26	1980
1981	0.089	0.024	0.182	0.615	1.70	0.477	0.615	0.133	0.028	0.148	0.135	0.018	0.350	1981
1982	0	0	0	0.879	3.82	0.804	0.311	0.520	0.472	0.347	0.261	0.130	0.851	1982
1983	0.010	0.003	0.023	1.69	1.85	0.831	0.321	0.162	0.174	0.178	0.041	0.006	0.442	1983
1984	0	0.001	0.050	0.784	0.568	5.89	1.97	0.500	0.285	1.08	0.573	0.033	0.983	1984
1985	0	0	0.097	1.89	8.36	1.24	0.480	0.080	0.137	0.771	0.601	0.028	1.13	1985
1986	0	0	0.030	1.67	3.89	2.22	3.54	3.75	0.347	0.227	0.113	0.040	1.32	1986
MEAN	0.012	0.004	0.083	1.17	2.78	1.74	0.983	1.26	1.80	1.14	0.467	0.083	0.984	MEAN

LOCATION - LAT 56 54 50 N DRAINAGE AREA, 151 km^2
LONG 111 27 35 W REGULATED SINCE 1976

POPLAR CREEK NEAR FORT MCMURRAY - STATION NO. 07DA007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	---	0 B ON MAR 15 *	---	1972
1973	---	5.49 ON JUN 17	0.0088 ON FEB 16	21 500	1973
1974	5.78 AT 00:00 MST ON APR 22	5.32 ON APR 24	0.0068 ON FEB 3	16 800	1974
1975	---	3.20 ON JUL 18	0 B ON DEC 29	18 400	1975
1976	17.8 AT 12:30 MST ON AUG 30	17.3 ON AUG 30	0 B ON JAN 1	34 800	1976
1977	5.95 AT 11:00 MST ON APR 21	5.61 ON OCT 13	0 B ON DEC 30	31 200	1977
1978	15.5 AT 20:38 MST ON SEP 12	15.2 ON SEP 12	0 B ON JAN 1	53 000	1978
1979	14.0 AT 19:50 MST ON MAY 15	13.7 ON MAY 16	0 B ON FEB 1	56 800	1979
1980	11.7 AT 03:05 MST ON AUG 10	11.5 ON AUG 10	0 B ON JAN 16	38 700	1980
1981	3.30 AT 09:45 MST ON APR 28	2.93 ON APR 30	0 B ON FEB 10	11 000	1981
1982	7.38B AT 06:11 MST ON APR 27	6.02 ON MAY 2	0 B ON JAN 1	20 500	1982
1983	3.72 AT 15:55 MST ON MAY 11	3.20E ON APR 18	0 B ON DEC 21	13 900	1983
1984	12.3 AT 08:23 MST ON JUN 7	12.2 ON JUN 6	0 B ON JAN 1	31 000	1984
1985	26.1 AT 14:41 MST ON MAY 8 *	22.9 ON MAY 8 *	0 B ON JAN 1	35 500	1985
1986	9.28 AT 16:00 MST ON AUG 4	8.70 ON AUG 2	0 B ON JAN 1	41 700	1986
				30 400	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PORTER CREEK ABOVE BAPTISTE LAKE - STATION NO. 07BE003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	---	---	---	---	0.060	0.078	0.112	0.105	---	---	---	1980
1981	---	---	0.037	0.203	0.102	0.147	0.188	0.055	0.027	0.047	---	---	0.088	1981
1982	---	---	0.022	0.222	0.223	0.072	0.198	0.384	0.041	0.038	---	---	0.150	1982
1983	---	---	0.025	0.055	0.025	0.517	0.758	0.134	0.016	0.036	---	---	0.195	1983
1984	---	---	0.008	0.036	0.095	0.385	0.184	0.029	0.079	0.125	---	---	0.112	1984
1985	---	---	0.035	0.510	0.267	0.087	0.031	0.018	0.015	0.030	---	---	0.120	1985
1986	---	---	0.029	0.103	0.167	0.099	1.61	0.145	0.038	0.091	---	---	0.287	1986
MEAN	---	---	0.026	0.188	0.147	0.211	0.427	0.120	0.047	0.068	---	---	0.181	MEAN

LOCATION - LAT 54 43 20 N
LONG 113 34 25 W
DRAINAGE AREA, 57.2 km^2

PORTER CREEK ABOVE BAPTISTE LAKE - STATION NO. 07BE003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1980	---	---	---	---	1980
1981	---	0.898A ON JUN 24	0.015B ON MAR 1	2 070	1981
1982	1.36 AT 21:08 MST ON AUG 4	1.33 ON AUG 5	0.013 ON JUL 6	3 190	1982
1983	8.36 AT 20:19 MST ON JUN 25	3.07 ON JUN 27	0.003 ON MAY 16	4 140	1983
1984	3.15 AT 00:15 MST ON JUN 10	1.03 ON JUN 10	0 B ON MAR 1 *	2 370	1984
1985	1.10 AT 18:49 MST ON MAY 7	0.945 ON APR 27	0.008 ON SEP 11	2 550	1985
1986	10.1 AT 03:04 MST ON JUL 19 *	9.48 ON JUL 18 *	0.028B ON MAR 7	5 080	1986
				3 400	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

POTHOLE CREEK AT RUSSELL'S RANCH - STATION NO. 05AE015

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1919	---	---	---	0.388	2.56	1.50	0.202	0.311	0.176	0.953	---	--	---	1919
1920	---	---	---	5.70	5.23	1.77	5.82	1.88	1.79	2.01	---	---	---	1920
1921	---	---	0.536	0.904	1.32	1.42	2.19	0.774	0.259	1.19	---	---	---	1921
1922	---	---	0.393	2.36	2.58	2.35	4.89	0.777	0.036	0.569	---	---	---	1922
1923	---	---	0.370	0.428	2.53	4.49	3.23	2.26	3.73	0.344	---	---	---	1923
1924	---	---	0.120	2.50	2.20	4.22	1.75	0.554	0.342	0.293	---	---	---	1924
1925	---	---	4.17	1.36	1.57	3.32	4.16	0.767	0.492	---	---	---	---	1925
1926	---	---	0.014	0.313	0.024	1.58	0.741	0.174	0.714	4.20	---	---	---	1926
1927	---	---	---	0.880	8.31	2.85	2.74	2.87	2.32	1.52	---	---	---	1927
1928	---	---	---	1.80	0.759	5.57	4.58	0.675	0.878	1.10	---	---	---	1928
1929	---	---	4.96	3.04	2.35	4.86	1.77	0.005	0.010	0.439	---	---	---	1929
1930	---	---	1.36	1.56	2.19	2.00	0.946	0.089	1.07	2.28	---	---	---	1930
1931	---	---	0.433	0.550	1.86	2.03	0.118	0.123	0.499	0.134	---	---	---	1931
1932	---	---	---	2.21	1.80	1.77	0.850	0.223	---	0.909	---	---	---	1932
1933	---	---	---	1.82	2.33	1.90	1.74	0.284	0.707	0.480	---	---	---	1933
1934	---	---	---	0.556	2.07	3.27	1.18	0.078	0.118	0.367	---	---	---	1934
1935	---	---	0.588	1.50	2.48	1.42	1.30	0.808	0.047	0.278	---	---	---	1935
1936	---	---	2.43	4.11	4.24	1.84	0.125	0	0.017	0.004	---	---	---	1936
1937	---	---	0.138	1.35	2.48	5.88	1.26	0.055	0.054	0.305	---	---	---	1937
1938	---	---	0.896	1.72	3.14	2.33	2.13	0.138	0.402	0.102	---	---	---	1938
1939	---	---	---	1.57	3.83	5.31	1.80	0.026	0.049	0.283	---	---	---	1939
1940	---	---	0.673	1.87	2.92	1.36	0.029	0.002	0.044	0.485	---	---	---	1940
1941	---	---	0.082	0.512	1.84	2.14	0.859	0.028	0.864	3.85	---	---	---	1941
1942	---	---	0.274	2.11	3.75	4.47	2.69	1.84	2.58	1.30	---	---	---	1942
1943	---	---	1.38	1.38	2.57	2.34	4.54	1.06	0.355	0.281	---	---	---	1943
1944	---	---	0.114	0.389	0.224	3.11	0.259	0.058	0.034	0.078	---	---	---	1944
1945	---	---	---	0.374	0.813	3.02	1.19	0.014	0.040	0.150	---	---	---	1945
1946	---	---	0.698	0.127	0.282	3.75	1.81	0.084	0.337	2.02	---	---	---	1946
1947	---	---	8.86	1.72	0.928	3.95	1.51	2.42	4.99	7.29	---	---	---	1947
1948	---	---	1.84	4.73	2.84	4.21	1.41	0.818	0.291	0.276	---	---	---	1948
1949	---	---	0.291	0.389	0.853	1.13	0.300	0.080	0.057	0.295	---	---	---	1949
1950	---	---	1.74	1.47	4.52	1.87	3.04	1.20	0.404	7.85	---	---	---	1950
1951	---	---	3.52	0.377	10.1	23.0	21.2	14.2	15.1	23.4	---	---	---	1951
1952	---	---	---	0.985	3.23	3.07	3.84	4.78	3.83	0.219	---	---	---	1952
1953	---	---	1.54	1.01	2.17	15.0	3.63	0.915	1.85	0.973	0.082	---	3.48	1953
1954	---	---	0.185	0.802	0.785	0.452	0.495	4.24	3.34	0.400	---	---	---	1954
1955	---	---	0.562	2.08	4.71	1.07	0.772	0.273	0.548	2.78	---	---	---	1955
1956	---	---	0.880	0.522	0.520	0.991	0.738	0.445	3.26	5.28	---	---	---	1956
1972	---	---	---	---	0.308	0.581	0.670	0.650	0.698	0.476	---	---	---	1972
1973	---	---	---	---	0.264	0.588	0.434	0.773	0.736	0.831	0.704	---	0.587	1973
1974	---	---	---	---	0.328	0.173	0.592	0.773	0.721	2.10	3.23	---	1.13	1974
1975	---	---	---	---	3.22	2.81	0.406	0.408	0.280	5.92	0.109	---	2.03	1975
1976	---	---	---	---	0.399	0.748	0.373	0.843	0.405	0.627	---	---	---	1976
1977	---	---	---	---	0.482	0.533	0.442	0.456	0.292	0.781	0.733	---	0.532	1977
1978	---	---	---	---	0.329	0.288	0.588	1.27	1.81	1.13	0.139	---	0.787	1978
1979	---	---	---	---	1.38	0.509	0.545	0.889	0.345	0.472	1.32	---	0.783	1979
1980	---	---	---	---	0.700	0.431	0.481	0.443	0.407	0.632	---	---	---	1980
1981	---	---	---	---	0.815	0.830	0.616	0.483	0.388	0.997	3.59	---	1.04	1981
1982	---	---	---	---	0.229	0.858	0.849	0.481	0.423	0.360	3.59	0.675	0.930	1982
1983	---	---	---	---	0.188	0.431	0.894	0.583	0.399	2.00	0.173	---	0.843	1983
1984	---	---	---	---	0.430	0.895	0.820	0.711	0.819	0.518	0.319	---	0.559	1984
1985	---	---	---	---	0.244	0.450	0.572	0.478	0.585	1.54	0.889	---	0.854	1985
1986	---	---	---	---	0.321	0.422	0.517	0.585	0.584	1.85	0.848	---	0.708	1986
MEAN	---	---	1.38	1.51	2.04	2.75	1.89	1.03	1.17	1.84	1.18	0.675	1.05	MEAN

LOCATION - LAT 49 33 52 N DRAINAGE AREA, 772 km²
LONG 112 49 40 W REGULATED SINCE 1919

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1973

POTHOLE CREEK AT RUSSELL'S RANCH - STATION NO. 05AE015

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1919	---	11.9 E ON JUN 10	0.021B ON NOV 6	---	1919
1920	---	17.5 ON JUL 15	0 008 ON AUG 30	---	1920
1921	15.6 AT 18:30 MST ON JUL 2	8.04 ON OCT 23	0.082 ON AUG 19	---	1921
1922	21.2 AT 06:30 MST ON JUN 29	---	---	---	1922
1923	14.7 AT 01:00 MST ON JUN 22	---	---	---	1923
1924	15.0 AT 22:30 MST ON JUL 26	10.9 ON JUN 7	0.125A ON OCT 31	---	1924
1925	---	20.2 E ON JUL 5	0.110 ON OCT 26	---	1925
1926	22.7 AT 08:00 MST ON JUN 20	13.5 ON JUN 20	0 A ON MAY 1 *	---	1926
1927	85.7 AT 09:00 MST ON MAY 30	51.3 ON MAY 30	0.142E ON JUN 15	---	1927
1928	32.6 AT 02:00 MST ON JUL 2	29.7 ON JUL 2	0.042 ON SEP 24	---	1928
1929	---	12.5 ON JUN 27	0 ON AUG 15	---	1929
1930	---	20.9 E ON JUN 19	0.031 ON AUG 12	---	1930
1931	20.0 AT 11:00 MST ON MAY 17	13.6 ON MAY 8	0 ON JUL 17	---	1931
1932	15.0 E AT 11:50 MST ON MAY 22	11.3 E ON MAY 22	0 ON JUL 19	---	1932
1933	18.2 AT 12:00 MST ON JUL 9	12.2 ON JUL 9	0.051 ON JUL 29	---	1933
1934	14.4 AT 01:00 MST ON JUN 7	13.0 ON JUN 7	0 ON JUL 20	---	1934
1935	---	7.99 ON AUG 25	0 A ON JUL 15	---	1935
1936	19.2 AT 14:00 MST ON JUN 29	15.3 ON JUN 29	0 ON JUL 18	---	1936
1937	42.5 AT 06:00 MST ON JUN 13	31.1 ON JUN 13	0 ON AUG 16	---	1937
1938	---	10.1 ON MAY 18	0.006A ON JUL 21	---	1938
1939	11.2 AT 01:00 MST ON MAY 24	8.75 ON JUN 14	0 ON SEP 23	---	1939
1940	---	4.56 ON JUN 9	0 ON AUG 6	---	1940
1941	7.70 AT 23:00 MST ON JUN 1	6.94 ON JUN 2	0 ON JUL 22	---	1941
1942	11.4 AT 12:00 MST ON JUN 6	10.5 ON JUN 6	0.008E ON OCT 31	---	1942
1943	11.7 AT 18:00 MST ON JUL 10	11.3 ON JUL 10	0.099 ON SEP 28	---	1943
1944	10.1 AT 20:30 MST ON JUN 5	7.08 ON JUN 5	0.014 ON SEP 16	---	1944
1945	5.95 AT 10:30 MST ON JUN 5	5.52 ON JUN 5	0 ON SEP 2	---	1945
1946	13.5 AT 18:00 MST ON JUN 7	---	---	---	1946
1947	---	---	---	---	1947
1948	27.9 AT 09:00 MST ON JUN 18	20.9 ON JUN 18	0.089 ON OCT 28	---	1948
1949	6.14 AT 20:00 MST ON MAY 17	2.97 ON MAY 18	0.011 ON SEP 19	---	1949
1950	---	---	---	---	1950
1951	94.9 AT 04:00 MST ON JUN 25 *	85.5 ON JUN 25 *	0.283A ON SEP 17	---	1951
1952	13.3 AT 14:45 MST ON SEP 9	12.6 ON SEP 9	0 ON MAY 8	---	1952
1953	81.4 A AT 12:00 MST ON JUN 9	56.6 A ON JUN 9	0.052E ON NOV 20	64 000	1953
1954	11.4 AT 12:45 MST ON SEP 27	---	---	---	1954
1955	17.2 AT 06:00 MST ON MAY 19	15.0 ON MAY 19	0.144 ON OCT 15	---	1955
1956	---	10.5 A ON JUN 17	0.159 ON MAY 1	---	1956
1972	---	1.16 ON JUL 15	---	---	1972
1973	---	2.25B ON NOV 1	---	10 800	1973
1974	---	6.60 ON OCT 30	---	20 800	1974
1975	28.9 AT 07:30 MST ON JUN 21	25.8 ON JUN 21	---	37 800	1975
1976	18.8 AT 15:00 MST ON AUG 6	8.20 ON AUG 6	---	---	1976
1977	2.97 AT 15:50 MST ON OCT 29	2.94 ON OCT 29	---	5 820	1977
1978	15.9 AT 03:10 MST ON AUG 23	10.9 ON SEP 13	---	14 200	1978
1979	---	8.60 ON AUG 24	---	14 500	1979
1980	---	3.44 ON MAY 28	---	---	1980
1981	---	6.04 ON OCT 30	---	19 200	1981
1982	---	8.88B ON NOV 25	---	17 200	1982
1983	7.29 AT 17:50 MST ON JUL 19	3.59 ON OCT 18	---	11 900	1983
1984	---	1.55 ON JUL 31	---	10 300	1984
1985	---	3.55 ON OCT 30	---	12 100	1985
1986	---	4.99 ON OCT 26	0.078B ON NOV 13	13 100	1986
				19 700	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

POTHOLE CREEK NEAR MAGRATH - STATION NO 05AE011

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	0.050	0	---	---	---	---	---	---	---	1914
1915	---	---	---	0.383	0.461	2.20	0.515	0.404	0.174	0.002	---	---	---	1915
1916	---	---	2.47	0.293	1.59	2.08	0.867	0.906	1.82	0.487	---	---	1.28	1916
1917	---	---	---	3.55	1.47	1.16	0.149	0.043	0.324	0.450	---	---	---	1917
1918	---	---	---	---	0.127	0.020	0	0	0	---	---	---	---	1918
1919	---	---	---	0.123	0.149	0.010	---	---	---	---	---	---	---	1919
1920	---	---	---	3.38	2.42	0.092	0.038	0	---	---	---	---	---	1920
1921	---	---	---	0.580	0.099	0.012	0.005	0	0	0	---	---	---	1921
1922	---	---	---	1.32	0.493	0.037	0	0	---	---	---	---	---	1922
1923	---	---	---	---	0.082	0.493	0.002	0	0	---	---	---	---	1923
1924	---	---	---	0.773	0.030	0.347	0.015	---	---	---	---	---	---	1924
1925	---	---	0.511	0.782	0.053	0	---	---	---	---	---	---	---	1925
1927	---	---	0.281	0.746	5.65	1.41	0.980	0.503	1.05	0.802	---	---	1.81	1927
1928	---	---	---	1.57	0.380	1.48	2.95	0.476	0.281	0.380	---	---	---	1928
1929	---	---	---	2.43	0.885	1.11	0.123	0	0	0.026	---	---	---	1929
1930	---	---	1.35	0.955	0.546	0.074	0.043	0	0	0	---	---	0.371	1930
1931	---	---	0.208	0.116	0.028	0.002	---	---	---	---	---	---	---	1931
1932	---	---	---	0.343	0.213	0.019	---	---	---	---	---	---	---	1932
1933	---	---	---	---	0.246	---	---	---	---	---	---	---	---	1933
1934	---	---	---	0.081	0	0.087	---	---	---	---	---	---	---	1934
1935	---	---	---	1.39	0.126	---	---	---	---	---	---	---	---	1935
1936	---	---	1.09	1.29	0.013	---	---	---	---	---	---	---	---	1936
1937	---	---	---	1.28	0.128	0.911	0.002	0	0	0	---	---	---	1937
1938	---	---	0.359	0.762	0.204	0.057	0.045	---	---	---	---	---	---	1938
1939	---	---	0.186	0.003	0	0.018	---	---	---	---	---	---	---	1939
1940	---	---	---	0.676	0.088	0	0	0	0	---	---	---	---	1940
1941	---	---	---	0	0	0	0	0	---	---	---	---	---	1941
1942	---	---	0.183	0.774	0.191	0.821	0.082	0.043	0	0	---	---	0.234	1942
1943	---	---	---	---	0.055	0.023	0	0	0	0	---	---	---	1943
1944	---	---	---	0.035	0	0	0	0	0	0	---	---	---	1944
1945	---	---	0.011	0	0	0	0	0	0	0	---	---	0.001	1945
1946	---	---	0.523	0.055	0	0	0	0	0	0	---	---	0.073	1946
1947	---	---	4.00	1.09	0.071	0.109	0.007	0	0	0	---	---	0.883	1947
1948	---	---	0.824	3.78	1.37	2.48	0.087	0	0	0	---	---	1.06	1948
1949	---	---	0.057	0.068	0.285	0.422	2.34	4.00	1.27	0.021	0.211	---	1.06	1949
1950	---	---	0.222	0.168	0.042	0.045	0.056	0.139	5.46	1.27	0.407	---	0.914	1950
1951	---	---	0.353	0.119	2.87	10.3	9.27	6.42	2.03	4.87	---	---	4.51	1951
MEAN	---	---	0.784	0.897	0.549	0.753	0.643	0.518	0.555	0.427	0.309	---	1.05	MEAN

LOCATION - LAT 49 22 36 N DRAINAGE AREA 374 km²
LONG 112 53 21 W NATURAL FLOW

POTHOLE CREEK NEAR MAGRATH - STATION NO 05AE011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	---	---	---	1914
1915	---	11.3 ON MAR 17	0 ON SEP 29 *	---	1915
1916	---	9.03 ON MAR 10	0.031 ON AUG 8	28 700	1916
1917	---	---	0 ON JUL 25	---	1917
1918	---	---	0 ON JUN 22	---	1918
1919	---	---	0 ON APR 29	---	1919
1920	33.7 AT 23 30 MST ON MAY 17	11.6 B ON APR 12	0 ON JUL 2	---	1920
1921	7.39 AT 04 00 MST ON APR 2	4.13 ON APR 2	0 ON JUN 20	---	1921
1922	---	5.24 E ON APR 21	0 ON APR 19	---	1922
1923	---	---	0 ON JUL 5	---	1923
1924	7.22 AT 04 00 MST ON APR 7	4.70 ON APR 7	0 ON MAY 8	---	1924
1925	---	2.55 A ON MAR 29	0 B ON MAR 1	---	1925
1927	---	---	---	---	
1928	15.0 AT 17 30 MST ON JUL 2	39.6 E ON MAY 30 *	0.034 ON MAY 16	29 800	1927
1929	11.9 AT 09 30 MST ON JUN 2	14.2 ON JUL 1	---	---	1928
1930	---	7.36 ON JUN 2	0 ON JUL 30	---	1929
1931	---	7.08 B ON MAR 21	0 ON JUL 2	7 850	1930
1932	---	---	0 ON JUN 4	---	1931
1933	---	---	0 ON JUN 18	---	1932
1934	---	---	0 ON JUN 8	---	1933
1935	16.1 AT 15 00 MST ON APR 18	9.15 ON APR 16	0 ON APR 15	---	1934
1936	20.1 AT 05 30 MST ON APR 11	12.5 ON APR 11	0 ON MAY 28	---	1935
1937	23.6 AT 23 30 MST ON JUN 12	15.2 ON JUN 13	0 ON MAY 11	---	1936
1938	8.72 AT 04 30 MST ON APR 10	6.06 ON APR 10	0 ON JUL 8	---	1937
1939	4.81 AT 19 00 MST ON MAR 20	1.93 ON MAR 20	0 E ON JUL 21	---	1938
1940	2.97 AT 15 00 MST ON APR 24	2.81 ON APR 24	0 A ON MAR 1	---	1939
1941	---	---	0 ON MAY 23	---	1940
1942	6.74 AT 09 00 MST ON APR 3	4.02 ON APR 3	0 ON MAR 25	---	1941
1943	---	---	0 B ON MAR 1	4 980	1942
1944	---	---	0 ON MAY 31	---	1943
1945	---	---	0 ON APR 14	---	1944
1946	1.95 AT 06 45 MST ON MAR 23	0.057E ON MAR 12	0 ON MAR 1	30.0	1945
1947	---	1.23 B ON MAR 3	0 E ON APR 27	1 540	1946
1948	12.4 AT 21 30 MST ON APR 17	19.8 B ON MAR 16	0 B ON MAR 1	14 000	1947
1949	8.17 AT 15 30 MST ON JUL 11	11.1 ON APR 19	0 B ON MAR 1	22 500	1948
1950	12.4 AT 12 00 MST ON SEP 24	5.89 ON JUL 12	0 B ON MAR 1	22 500	1949
1951	39.4 AT 15 00 MST ON JUN 24 *	11.8 ON SEP 23	0 ON JUL 24	19 400	1950
		28.1 ON JUN 25	0.014B ON MAR 9	95 300	1951
				22 200	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

POTHOLE CREEK NEAR MAGRATH (LOWER STATION) - STATION NO. 05AE012

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	3.81	7.33	4.30	5.01	3.78	1.86	---	---	---	1914
1915	---	---	---	0.847	2.81	6.04	4.17	2.95	1.66	1.90	---	---	---	1915
1916	---	---	2.07	0.703	4.00	5.05	4.85	5.44	5.35	1.82	---	---	3.61	1916
1917	---	---	---	5.10	2.84	3.67	2.25	1.14	1.29	1.97	---	---	---	1917
MEAN	---	---	2.07	3.48	3.39	5.50	3.85	3.64	3.02	1.84	---	---	3.61	MEAN

LOCATION - LAT 49 26 40 N DRAINAGE AREA 542 km²
LONG 112 49 48 W REGULATED

POTHOLE CREEK NEAR MAGRATH (LOWER STATION) - STATION NO. 05AE012

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1914	---	---	0 ON OCT 10 *	---	1914
1915	---	19.4 ON MAR 17	---	---	1915
1916	---	36.8 ON JUN 28 *	0.0578 ON MAR 3	76 500	1916
1917	---	26.6E ON APR 8	---	---	1917
				76 500	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

POTHOLE TURNOUT NEAR MAGRATH - STATION NO. 05AE038

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	---	---	---	0.202	0.271	0.107	0.206	0.005	---	---	---	1976
1977	---	---	---	0	0.248	0.438	0.685	0.245	0.227	0.072	---	---	0.274	1977
1978	---	---	---	0	0.002	0.037	0.069	0.118	---	---	---	---	---	1978
1979	---	---	---	0	0.046	0.357	0.452	0.456	0.226	0.105	---	---	0.237	1979
1980	---	---	---	0	0.114	0.124	0.382	0.242	0.244	0.089	---	---	0.174	1980
1981	---	---	---	0	0	0.175	0.435	0.274	0.300	0.194	---	---	0.197	1981
1982	---	---	---	0	0.024	0.419	0.373	0.578	0.209	0.101	---	---	0.244	1982
1983	---	---	---	0.001	0.090	0.705	0.618	0.481	0.231	0.017	---	---	0.303	1983
1984	---	---	---	0	0.201	0.618	0.900	0.407	0.074	0.011	---	---	0.317	1984
1985	---	---	---	0	0.094	0.835	1.02	0.339	0.076	0.002	---	---	0.338	1985
1986	---	---	---	0	0.084	0.575	0.815	0.472	0.280	0	---	---	0.320	1986
MEAN	---	---	---	0	0.080	0.407	0.548	0.338	0.208	0.061	---	---	0.267	MEAN

LOCATION - LAT 49 22 37 N
LONG 112 53 52 W REGULATED

POTHOLE TURNOUT NEAR MAGRATH - STATION NO. 05AE038

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1976	---	0.949 ON JUN 3	0 ON JUN 16 *	---	1976
1977	---	0.887 ON JUL 26	0E ON APR 1	5 070	1977
1978	---	0.320 ON AUG 12	0E ON APR 1	---	1978
1979	---	0.817 ON JUL 31	0 ON APR 1	4 370	1979
1980	---	0.465 ON AUG 7	0A ON APR 1	3 220	1980
1981	---	0.532 ON JUL 29	0 ON APR 1	3 650	1981
1982	---	0.761 ON AUG 10	0E ON APR 1	4 520	1982
1983	---	0.825 ON JUN 30	0 ON APR 1	5 620	1983
1984	---	1.13 ON JUL 21	0 ON APR 1	5 860	1984
1985	---	1.38 ON JUL 10 *	0 ON APR 1	6 260	1985
1986	---	0.908 ON JUL 7	0 ON APR 1	5 910	1986
				4 940	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

PRAIRIE BLOOD COULEE NEAR LETHBRIDGE - STATION NO. 05AD035

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	0.045	0.084	0.011	0.083	0	0	0	0	---	---	0.025	1970
1971	---	---	0.441	0.135	0.012	0.049	0	0	0	0	---	---	0.080	1971
1972	---	---	2.88	0.541	0.079	0.003	0	0	0	0	---	---	0.415	1972
1973	---	---	0.061	0.005	0.001	0	0	0	0	0	---	---	0.008	1973
1974	---	---	0.369	0.040	0.342	0.001	0	0	0	0	---	---	0.095	1974
1975	---	---	0	1.84	0.455	0.879	0.005	0	0	0.019	---	---	0.344	1975
1976	---	---	0.333	0.083	0.030	0.063	0.003	0.221	0	0	---	---	0.092	1976
1977	---	---	0.030	0.249	0.002	0	0	0	0	0	---	---	0.035	1977
1978	---	---	1.75	0.190	0.142	0.022	0.833	0.271	0.452	0.049	---	---	0.442	1978
1979	---	---	1.69	0.517	0.304	0.039	0.001	0.003	0.001	0.013	---	---	0.322	1979
1980	---	---	0.182	0.111	0.071	0.034	0	0	0	0	---	---	0.051	1980
1981	---	---	0.031	0.024	1.33	0.850	0.030	0.008	0	0.026	---	---	0.283	1981
1982	---	---	0.124	0.486	0.045	0.018	0.005	0	0	0	---	---	0.085	1982
1983	---	---	0.001	0.011	0.026	0	0	0	0	0	---	---	0.005	1983
1984	---	---	0	0	0	0	0	0	0	0	---	---	0	1984
1985	---	---	0.001	0	0	0	0	0	0	0	---	---	0	1985
1986	---	---	0.087	0.005	0.003	0	0	0	0	0	---	---	0.009	1986
MEAN	---	---	0.480	0.242	0.188	0.097	0.040	0.030	0.027	0.006	---	---	0.134	MEAN

LOCATION - LAT 49 33 50 N DRAINAGE AREA, 227 km²
LONG 112 57 32 W NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1971 AND 1986

PRAIRIE BLOOD COULEE NEAR LETHBRIDGE - STATION NO. 05AD035

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1970	0.991 AT 18:47 MST ON JUN 18	0.807 ON JUN 18	08 ON MAR 1 *	531	1970
1971	---	2.01 ON MAR 30	0 ON JUL 8	1 690	1971
1972	23.9 AT 02:00 MST ON MAR 12	17.3 B ON MAR 11 *	08 ON MAR 1	8 790	1972
1973	---	0.4308 ON MAR 1	0 ON MAY 14	177	1973
1974	4.18 B AT 13:00 MST ON MAR 12	2.38 B ON MAR 12	08 ON MAR 1	2 010	1974
1975	15.2 AT 17:40 MST ON JUN 20	9.12 ON APR 28	08 ON MAR 1	7 280	1975
1976	14.8 B AT 10:00 MST ON MAR 17	3.81 B ON MAR 17	08 ON MAR 1	1 950	1976
1977	3.28 AT 22:20 MST ON APR 6	2.48 ON APR 7	0 ON MAY 7	732	1977
1978	26.0 AT 20:15 MST ON MAR 20 *	13.2 ON MAR 20	08 ON MAR 1	9 350	1978
1979	---	5.89 B ON MAR 8	08 ON MAR 1	6 830	1979
1980	---	1.30 B ON MAR 1	08 ON MAR 8	1 080	1980
1981	19.9 AT 08:25 MST ON MAY 23	14.1 ON MAY 23	0 ON AUG 23	5 570	1981
1982	7.05 AT 18:45 MST ON APR 12	4.80 ON APR 12	08 ON MAR 1	1 810	1982
1983	0.141 AT 14:45 MST ON MAY 1	0.136 ON MAY 1	0A ON MAR 1	101	1983
1984	---	0 ON MAR 1	0 ON MAR 1	0	1984
1985	0.043 AT 04:45 MST ON MAR 17	0.025 ON MAR 17	08 ON MAR 1	3.69	1985
1986	---	0.331 ON MAR 1	0 ON MAY 31	201	1986
				2 630	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)

B - ICE CONDITIONS

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PRAIRIE CREEK BELOW LICK CREEK - STATION NO. 05DB005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	3.97	2.28	1.35	1.18	0.858	0.735	---	---	---	1973
1974	---	---	0.331	1.28	5.37	3.83	2.24	1.15	1.18	1.41	---	---	2.20	1974
1975	---	---	0.335	0.486	1.58	1.43	1.13	0.819	0.572	0.427	---	---	0.845	1975
1976	---	---	0.272	0.765	0.858	1.35	0.893	1.53	0.870	0.552	---	---	0.888	1976
1977	---	---	0.304	0.891	5.15	3.13	1.54	1.64	1.85	0.977	---	---	2.08	1977
1978	---	---	0.366	1.23	3.49	4.80	3.25	2.80	3.11	1.40	---	---	2.50	1978
1979	---	---	0.555	1.33	1.79	1.47	0.791	0.719	0.436	0.403	---	---	0.935	1979
1980	---	---	0.211	1.38	1.87	4.73	2.50	1.35	1.28	0.845	---	---	1.78	1980
1981	---	---	0.384	0.551	5.64	2.25	7.88	4.88	1.50	1.13	---	---	3.05	1981
1982	---	---	0.085	0.742	1.87	2.10	5.88	1.83	1.00	1.01	---	---	1.77	1982
1983	---	---	0.361	1.02	2.60	1.76	3.00	0.747	0.575	0.518	---	---	1.34	1983
1984	---	---	0.330	0.824	0.731	3.03	0.534	0.324	0.825	1.13	---	---	0.834	1984
1985	---	---	0.367	0.748	0.984	1.08	0.735	1.70	3.70	1.89	---	---	1.39	1985
1986	---	---	0.475	0.723	3.82	2.65	8.04	2.48	2.68	3.27	---	---	3.03	1986
MEAN	---	---	0.335	0.904	3.00	2.83	2.83	1.61	1.48	1.13	---	---	1.75	MEAN

LOCATION - LAT 52 15 10 N DRAINAGE AREA, 206 km²
LONG 115 17 30 W NATURAL FLOW

PRAIRIE CREEK BELOW LICK CREEK - STATION NO. 05DB005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	7.62 ON MAY 27	---	---	1973
1974	---	10.8 ON MAY 26	0.3008 ON MAR 1	46 800	1974
1975	---	3.74A ON MAY 7	0.1988 ON APR 6	17 900	1975
1976	4.19 AT 20:30 MST ON AUG 16	3.74 ON AUG 17	0.2528 ON MAR 1	18 800	1976
1977	22.8 AT 19:00 MST ON MAY 29	17.1 ON MAY 29	0.2838 ON MAR 18	43 700	1977
1978	15.4 AT 01:10 MST ON MAY 31	13.0 ON MAY 31	0.3008 ON MAR 1	92 800	1978
1979	5.048 AT 03:00 MST ON APR 26	4.008 ON APR 27	0.3708 ON OCT 31	19 800	1979
1980	20.9 AT 10:30 MST ON JUN 5	19.0 ON JUN 5	0.2008 ON MAR 1	37 400	1980
1981	29.5 AT 18:50 MST ON JUL 24	23.2 ON JUL 24	0.3008 ON MAR 20	84 500	1981
1982	26.5 AT 05:09 MST ON JUL 5	24.6 ON JUL 5	0.0108 ON MAR 1 *	37 400	1982
1983	11.4 AT 14:38 MST ON JUL 3	8.73 ON JUL 3	0.2988 ON MAR 6	28 300	1983
1984	17.0 AT 13:50 MST ON JUN 9	16.1 ON JUN 9	0.2438 ON MAR 11	19 800	1984
1985	18.9 AT 10:39 MST ON SEP 13	16.7 ON SEP 13	0.3058 ON MAR 6	29 500	1985
1986	52.0 AT 21:52 MST ON JUL 17 *	36.3 ON JUL 18 *	0.4508 ON MAR 18	84 000	1986
				37 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PRAIRIE CREEK NEAR RANGER STATION - STATION NO. 05DB004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1969	---	---	0.178	0.433	1.03	1.26	4.26	1.12	0.535	0.559	---	---	1.48	1969
1970	---	---	0.186	0.273	1.27	2.75	1.39	0.432	0.396	0.321	---	---	1.07	1970
1971	---	---	0.172	0.433	1.14	2.10	1.00	0.404	0.336	0.277	---	---	0.873	1971
1972	---	---	0.198	0.359	1.11	4.80	2.00	0.838	0.939	0.609	---	---	1.75	1972
1973	---	---	---	---	2.31	1.52	0.846	0.767	0.526	0.413	---	---	1.08	1973
MEAN	---	---	0.184	0.376	1.37	2.51	1.80	0.710	0.567	0.476	---	---	1.25	MEAN

LOCATION - LAT 52 14 40 N, LONG 115 18 05 W
DRAINAGE AREA, 85.6 km^2
NATURAL FLOW

PRAIRIE CREEK NEAR RANGER STATION - STATION NO. 05DB004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1969	19.7 AT 08:17 MST ON JUL 5	18.4 ON JUL 5	0.354 ON JUN 18	33 900	1969
1970	25.2 AT 14:00 MST ON JUN 16	15.9 ON JUN 16	0.201 ON OCT 31 *	17 000	1970
1971	7.36E ON JUN 8	4.98E ON JUN 8	0.235 ON OCT 28	13 900	1971
1972	45.9 AT 15:00 MST ON JUN 25 *	40.5 ON JUN 25 *	0.323 ON SEP 4	27 900	1972
1973	4.47 AT 01:30 MST ON MAY 28	4.22 ON MAY 27	0.368E ON SEP 8	17 200	1973
				19 900	MEAN

E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PRAIRIE CREEK NEAR ROCKY MOUNTAIN HOUSE - STATION NO. 05DB002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1922	---	---	---	---	---	2.03	2.03	4.65	2.44	2.11	---	---	---	1922
1923	---	---	---	3.72	3.75	19.4	11.6	10.3	5.10	3.88	---	---	---	1923
1924	---	---	---	1.85	5.56	4.29	2.65	3.20	2.43	2.34	---	---	---	1924
1925	---	---	---	3.72	2.51	6.40	3.07	12.0	12.8	11.0	---	---	---	1925
1951	---	---	---	---	---	---	---	---	14.3	7.97	---	---	---	1951
1952	---	---	3.15	9.91	5.85	23.9	14.3	7.53	5.58	3.85	---	---	---	1952
1953	---	---	2.46	4.32	7.57	13.4	10.8	8.55	5.71	4.03	---	---	---	1953
1954	---	---	3.07	6.47	17.9	24.8	8.07	18.4	22.3	10.2	---	---	---	1954
1955	---	---	1.81	6.41	13.6	13.8	7.47	4.32	3.50	3.12	---	---	---	1955
1956	---	---	2.08	6.17	3.45	4.07	6.80	3.34	2.76	2.13	---	---	---	1956
1957	---	---	1.17	6.86	7.24	6.16	4.22	4.37	4.29	3.28	---	---	---	1957
1958	---	---	1.85	6.43	6.17	6.39	8.94	3.95	3.20	2.55	---	---	---	1958
1959	---	---	1.95	3.02	2.90	12.5	9.95	4.30	3.71	3.74	---	---	---	1959
1960	---	---	2.35	6.55	8.15	6.90	5.53	2.88	2.10	1.88	---	---	---	1960
1961	---	---	1.83	3.13	5.81	2.46	2.49	2.56	2.36	2.29	0.743	1.32	---	1961
1962	1.20	1.84	1.08	2.30	5.03	3.45	4.18	5.15	3.29	2.77	2.09	1.39	2.80	1962
1963	1.33	1.38	1.09	4.69	5.71	7.81	11.9	9.04	6.52	3.57	1.51	0.805	4.63	1963
1964	0.888	0.972	0.389	1.86	17.7	12.3	6.92	3.42	4.72	3.88	2.30	1.39	4.73	1964
1965	1.62	1.80	1.47	4.26	6.59	22.7	21.6	8.47	13.7	8.63	5.53	2.54	8.22	1965
1966	2.17	2.45	2.02	3.84	4.58	5.15	8.09	5.54	5.11	4.34	1.52	2.08	3.97	1966
1967	1.86	1.82	1.69	1.89	8.12	11.6	5.84	3.73	2.39	2.17	2.26	1.79	3.76	1967
1968	1.85	2.18	2.16	2.10	3.38	4.07	8.37	5.09	3.56	3.51	2.31	1.70	3.18	1968
1969	1.61	1.89	2.38	3.89	5.78	5.67	21.8	8.69	4.80	4.24	3.44	3.57	5.86	1969
1970	1.70	1.63	1.68	2.66	7.56	15.1	10.8	3.85	3.32	3.20	1.69	1.88	4.51	1970
1971	1.35	1.12	1.88	7.31	6.15	10.8	5.84	3.03	2.52	2.27	1.87	1.47	3.78	1971
1972	1.28	1.18	1.65	2.78	5.15	17.2	12.8	5.58	5.87	5.12	3.86	2.28	5.40	1972
1973	2.06	1.80	1.86	4.94	11.2	8.30	6.15	4.63	3.77	3.15	2.06	2.03	4.32	1973
1974	1.44	1.55	1.56	4.72	16.6	11.2	8.03	5.31	4.40	4.86	3.30	2.16	5.47	1974
1975	1.81	1.80	1.82	2.82	5.87	4.35	3.98	2.57	2.13	1.81	1.28	1.40	2.58	1975
1976	1.37	1.48	1.81	2.94	2.49	3.86	2.84	4.97	2.83	2.12	2.00	1.73	2.51	1976
1977	1.41	1.43	1.42	2.11	11.1	8.13	4.68	4.56	5.00	3.71	2.40	2.11	4.02	1977
1978	1.85	1.87	1.82	3.81	6.87	10.4	7.44	7.21	8.10	5.32	4.03	3.05	5.07	1978
1979	2.10	1.88	2.46	3.07	5.00	3.84	2.54	2.33	1.86	1.53	0.984	1.31	2.38	1979
1980	1.04	0.976	1.10	3.45	3.82	9.73	5.73	4.65	4.39	2.86	2.36	2.24	3.82	1980
1981	1.86	1.67	2.32	1.99	6.52	6.88	16.4	14.6	8.35	4.52	3.36	2.18	5.89	1981
1982	1.82	1.48	1.80	9.11	4.46	4.88	14.8	6.19	4.38	4.07	3.12	2.25	4.84	1982
1983	1.50	1.27	1.73	5.88	6.40	4.44	7.76	2.88	2.33	2.20	1.81	1.38	3.33	1983
1984	1.34	1.38	1.66	3.38	2.32	8.72	2.00	1.31	3.27	3.09	1.80	1.41	2.37	1984
1985	1.17	1.01	1.52	2.83	2.32	2.80	1.85	3.84	8.19	4.92	3.12	2.17	2.95	1985
1986	2.02	1.85	2.66	2.91	10.0	6.61	24.2	9.09	10.2	11.3	6.39	3.79	7.87	1986
MEAN	1.53	1.52	1.83	3.85	6.92	9.08	8.22	5.79	5.39	4.08	2.68	1.87	4.31	MEAN

LOCATION - LAT 52 15 20 N DRAINAGE AREA, 859 km²
LONG 114 55 50 W NATURAL FLOW

PRAIRIE CREEK NEAR ROCKY MOUNTAIN HOUSE - STATION NO. 05DB002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1922	---	15.6 ON AUG 17	---	---	1922
1923	58.9 AT 20:00 MST ON JUN 24	57.5 ON JUN 24	---	---	1923
1924	---	11.8 ON MAY 3	---	---	1924
1925	43.9 AT 17:45 MST ON AUG 17	42.5 ON AUG 17	---	---	1925
1951	---	---	---	---	1951
1952	94.3 AT 17:00 MST ON JUN 24	85.1 ON JUN 24	---	---	1952
1953	---	28.3 ON JUN 4	---	---	1953
1954	94.6 AT 09:00 MST ON AUG 27	94.0 ON AUG 26	---	---	1954
1955	---	36.6 ON JUN 1	---	---	1955
1956	---	8.41B ON APR 15	---	---	1956
1957	---	18.4 ON APR 30	---	---	1957
1958	---	17.9 ON JUL 2	---	---	1958
1959	---	43.6 ON JUN 29	---	---	1959
1960	---	22.5 ON MAY 19	---	---	1960
1961	---	9.83 ON MAY 5	---	---	1961
1962	17.4 AT 01:00 MST ON MAY 15	17.1 ON MAY 15	0.8838 ON MAR 23	88 500	1962
1963	42.2 AT 03:00 MST ON JUL 17	36.8 ON JUL 17	0.4678 ON NOV 19	146 000	1963
1964	109 AT 04:00 MST ON MAY 8	90.0 ON MAY 8	0.2558 ON MAR 25 *	149 000	1964
1965	88.8 AT 05:00 MST ON JUN 30	85.4 ON JUN 30	1.20 B ON MAR 15	255 000	1965
1966	32.3 AT 13:00 MST ON JUL 4	29.7 ON JUL 4	0.3408 ON NOV 7	125 000	1966
1967	22.0 AT 08:00 MST ON JUN 1	21.2 ON JUN 1	1.23 B ON MAR 14	118 000	1967
1968	22.5 AT 19:32 MST ON JUL 21	20.4 ON JUL 22	1.36 B ON JAN 12	101 000	1968
1969	89.4 AT 19:13 MST ON JUL 6	87.4 ON JUL 6	1.36 B ON JAN 23	179 000	1969
1970	70.5 AT 18:29 MST ON JUN 17	64.8 ON JUN 17	1.02 B ON NOV 5	142 000	1970
1971	24.9 AT 10:00 MST ON JUN 10	24.0 ON JUN 10	1.05 B ON FEB 7	118 000	1971
1972	116 E AT 21:00 ON JUN 26 *	102 E ON JUN 26	1.10 B ON FEB 23	171 000	1972
1973	20.4 AT 23:30 MST ON MAY 28	19.4 ON MAY 28	1.75 B ON FEB 7	136 000	1973
1974	23.5 AT 22:20 MST ON MAY 21	23.0 ON MAY 20	1.25 B ON JAN 30	172 000	1974
1975	11.6 AT 11:00 MST ON MAY 8	11.2 ON MAY 8	1.22 B ON NOV 21	80 800	1975
1976	11.6 AT 19:00 MST ON AUG 9	9.77 ON AUG 17	1.33 B ON JAN 27	79 500	1976
1977	38.2 AT 19:00 MST ON MAY 30	34.0 ON MAY 30	1.26 ON MAY 3	127 000	1977
1978	22.4 E AT 01:00 MST ON JUN 1	19.0 E ON JUN 1	1.33 B ON MAR 8	180 000	1978
1979	8.43 AT 21:00 MST ON APR 29	7.93 ON APR 29	0.6908 ON NOV 1	75 100	1979
1980	28.1 AT 10:00 MST ON JUN 6	27.0 ON JUN 6	0.8508 ON JAN 28	114 000	1980
1981	54.8 AT 15:00 MST ON JUL 31	49.5 ON JUL 31	1.32 ON MAY 4	185 000	1981
1982	---	41.2 A ON JUL 8	1.24 B ON MAR 2	153 000	1982
1983	18.5 AT 14:38 MST ON JUL 4	17.3 ON JUL 4	1.20 B ON JAN 25	105 000	1983
1984	26.1 AT 13:54 MST ON JUN 10	25.3 ON JUN 10	0.957 ON AUG 29	75 000	1984
1985	32.6 AT 04:55 MST ON SEP 14	30.3 ON SEP 14	0.8908 ON FEB 9	82 900	1985
1986	112 AT 07:33 MST ON JUL 19	104 ON JUL 19 *	1.89 B ON FEB 22	242 000	1986
				136 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PUNK CREEK NEAR THE MOUTH - STATION NO. 05AB003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	0.016	0.075	0.036	0.055	0.070	0.010	0.003	0.010	---	---	0.034	1981
1982	---	---	0	0.126	0.070	0.012	0.034	0.038	0.019	0.018	---	---	0.039	1982
1983	---	---	0.002	0.047	0.021	0.024	0.247	0.048	0.003	0.012	---	---	0.051	1983
1984	---	---	0.016	0.058	0.081	0.119	0.015	0.008	0.012	0.013	---	---	0.037	1984
1985	---	---	0.018	0.151	0.319	0.219	0.101	0.054	0.041	0.030	---	---	0.118	1985
1986	---	---	0.013	0.084	0.055	0.016	0.089	0.089	0.008	0.011	---	---	0.039	1986
MEAN	---	---	0.011	0.092	0.094	0.074	0.089	0.036	0.014	0.016	---	---	0.053	MEAN

LOCATION - LAT 54 32 20 N, LONG 111 13 40 W
DRAINAGE AREA 395 km^2
NATURAL FLOW

PUNK CREEK NEAR THE MOUTH - STATION NO. 05AB003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	0.131 AT 14:10 MST ON JUN 22	0.123 ON JUL 9	0 B ON MAR 1 *	724	1981
1982	0.7508 AT 11:00 MST ON APR 26	0.5008 ON APR 25	0 B ON MAR 1	833	1982
1983	1.11 AT 21:24 MST ON JUL 22 *	1.06 ON JUL 22 *	0 B ON MAR 1	1 080	1983
1984	0.323 AT 00:57 MST ON JUN 2	0.289 ON JUN 2	0.001 ON JUN 27	790	1984
1985	0.634 AT 20:37 MST ON MAY 8	0.626 ON MAY 8	0.0018 ON MAR 1	2 490	1985
1986	0.378 AT 23:55 MST ON JUL 17	0.335 ON JUL 18	0.0048 ON MAR 6	830	1986
				1 120	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

QUIGLEY CREEK NEAR HINTON - STATION NO. 07AF008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	0.150	0.080	0.181	0.285	---	---	---	1972
1973	---	---	---	---	0.851	0.227	0.085	0.048	0.021	---	---	---	---	1973
1974	---	---	---	---	0.820	0.091	0.108	0.052	---	---	---	---	---	1974
MEAN	---	---	---	---	0.836	0.159	0.107	0.053	0.091	0.285	---	---	---	MEAN

LOCATION - LAT 53 21 00 N DRAINAGE AREA, 15.3 km²
LONG 117 24 00 W NATURAL FLOW

QUIGLEY CREEK NEAR HINTON - STATION NO. 07AF008

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1972	---	---	---	---	1972
1973	1.47 AT 22 30 MST ON MAY 27 *	1.22 ON MAY 28 *	---	---	1973
1974	1.12 AT 04 10 MST ON MAY 8	1.03 ON MAY 8	---	---	1974
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

RACEHORSE CREEK NEAR THE MOUTH - STATION NO. 05AA027

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	10.1	3.40	1.32	0.855	0.885	---	---	---	1966
1967	---	---	0.193	0.495	12.9	20.8	4.81	1.05	0.485	0.499	---	---	5.80	1967
1968	---	---	0.377	0.620	10.2	11.1	3.04	1.05	1.30	1.52	---	---	4.11	1968
1969	---	---	0.326	4.14	10.3	10.1	4.20	1.07	0.688	0.506	---	---	4.42	1969
1970	---	---	0.395	0.430	8.80	9.18	1.86	0.806	0.800	0.480	---	---	3.10	1970
1971	---	---	0.266	1.61	15.5	12.6	2.91	0.986	0.629	0.900	---	---	5.01	1971
1972	---	---	0.800	1.85	17.9	20.8	5.30	2.14	1.34	1.35	---	---	7.21	1972
1973	---	---	0.388	0.820	7.73	6.55	1.50	0.613	0.481	0.415	---	---	2.56	1973
1974	---	---	0.300	1.82	12.5	22.2	4.74	1.33	0.714	0.820	---	---	5.24	1974
1975	---	---	0.219	0.420	8.90	16.1	4.78	1.58	0.884	1.02	---	---	4.80	1975
1976	---	---	0.325	2.50	13.3	5.24	2.82	10.9	1.59	0.739	---	---	5.31	1976
1977	---	---	0.259	1.69	3.73	2.16	0.706	1.03	1.27	0.681	---	---	1.59	1977
1978	---	---	0.385	1.34	11.0	10.3	4.87	1.65	0.982	0.736	---	---	4.41	1978
1979	---	---	---	---	9.42	7.06	1.72	0.704	0.458	0.362	---	---	---	1979
1980	---	---	---	---	9.47	5.23	1.31	0.783	0.887	0.816	---	---	---	1980
1981	---	---	---	---	18.5	11.3	2.72	1.07	0.574	0.481	---	---	---	1981
1982	---	---	0.421	0.624	7.09	10.6	2.85	0.770	0.597	0.573	---	---	3.30	1982
1983	---	---	---	1.17	5.08	4.85	1.88	0.781	0.682	0.608	---	---	2.20	1983
1984	---	---	---	1.24	4.72	6.88	1.81	0.810	0.687	0.627	---	---	2.30	1984
1985	---	---	---	1.82	6.91	5.15	1.05	0.893	1.53	1.76	---	---	2.87	1985
1986	---	---	---	4.86	13.8	8.31	1.89	0.707	0.723	1.11	---	---	4.46	1986
MEAN	---	---	0.355	1.59	10.4	10.3	2.83	1.80	0.821	0.755	---	---	4.09	MEAN

LOCATION - LAT 49 50 18 N DRAINAGE AREA, 217 km²
LONG 114 25 06 W NATURAL FLOW

RACEHORSE CREEK NEAR THE MOUTH - STATION NO. 05AA027

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1966	24.6 AT 21:00 MST ON MAY 28	24.1 ON MAY 28	---	---	1966
1967	58.9 AT 14 30 MST ON MAY 30	48.1 ON MAY 30	0.294 ON SEP 30	107 000	1967
1968	44.2 AT 23 58 MST ON MAY 22	36.5 ON MAY 23	0.300 ON APR 9	75 000	1968
1969	23.1 AT 10 12 MST ON JUN 26	22.0 ON JUN 26	0.281 ON OCT 26	81 800	1969
1970	25.3 AT 18 53 MST ON MAY 28	22.5 ON MAY 28	0.2928 ON OCT 27	57 400	1970
1971	31.4 AT 23 00 MST ON MAY 27	26.2 ON MAY 27	0.2158 ON APR 2	92 700	1971
1972	59.7 AT 21 30 MST ON MAY 31	49.6 ON JUN 1	0.736 ON OCT 30	133 000	1972
1973	23.1 AT 22 00 MST ON MAY 17	19.0 ON MAY 18	0.292 ON OCT 5	47 700	1973
1974	44.5 AT 22 20 MST ON JUN 16	37.9 ON JUN 16	0.3988 ON APR 4	115 000	1974
1975	46.7 AT 01 15 MST ON JUN 20	37.9 ON JUN 20	0.1818 ON APR 3 *	88 500	1975
1976	88.6 AT 18 40 MST ON AUG 5 *	50.7 ON AUG 5 *	0.3828 ON APR 3	98 100	1976
1977	10.0 AT 03 30 MST ON MAY 11	7.96 ON MAY 11	0.2978 ON APR 1	29 500	1977
1978	26.0 AT 00 50 MST ON JUN 6	22.4 ON MAY 23	0.804A ON OCT 31	81 800	1978
1979	35.0 AT 20 25 MST ON MAY 25	26.1 ON MAY 25	---	---	1979
1980	30.9 AT 04 25 MST ON APR 30	24.0 ON APR 30	---	---	1980
1981	85.8 AT 23 20 MST ON MAY 25	45.2 ON MAY 28	---	---	1981
1982	20.8 AT 21 41 MST ON JUN 15	18.9 ON JUN 15	0.3588 ON APR 6	81 000	1982
1983	14.6 AT 21 20 MST ON MAY 25	13.0 ON MAY 26	0.318 ON APR 1	40 700	1983
1984	15.0 AT 20 27 MST ON MAY 30	11.2 ON MAY 30	0.297 ON OCT 20	42 500	1984
1985	22.6 AT 23:40 MST ON JUN 7	15.1 ON JUN 8	0.420E ON APR 1	49 400	1985
1986	45.7 AT 23:40 MST ON MAY 28	40.0 ON MAY 28	---	82 500	1986
				75 500	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

RAM RIVER AT RAM GLACIER - STATION NO 08DC006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	---	---	---	---	0.274	0.197	---	---	---	---	---	1968
1969	---	---	---	---	---	---	0.240	0.283	0.069	---	---	---	---	1969
1970	---	---	---	---	---	---	0.510	0.420	---	---	---	---	---	1970
1971	---	---	---	---	---	---	---	0.465	---	---	---	---	---	1971
1972	---	---	---	---	---	0.191	0.228	0.421	0.054	---	---	---	---	1972
1973	---	---	---	---	---	0.043	0.182	0.186	0.042	---	---	---	---	1973
1974	---	---	---	---	---	0.220	0.265	0.182	0.053	---	---	---	---	1974
MEAN	---	---	---	---	---	0.151	0.280	0.305	0.055	---	---	---	---	MEAN

LOCATION - LAT 51 51 16 N LONG 116 11 27 W DRAINAGE AREA, 3.73 km² NATURAL FLOW

RAM RIVER AT RAM GLACIER - STATION NO 08DC006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	0.816 AT 08 17 MST ON JUN 13	0.809 ON JUL 9	---	---	1968
1969	1.52 AT 15 27 MST ON AUG 24	0.597 ON AUG 24	0 ON SEP 27 *	---	1969
1970	2.49 AT 18 00 MST ON JUL 19 *	0.895 ON JUL 19 *	---	---	1970
1971	---	0.850 ON AUG 8	---	---	1971
1972	1.80 AT 01 00 MST ON AUG 30	0.646 ON AUG 6	---	---	1972
1973	---	0.487 ON JUL 21	---	---	1973
1974	---	---	---	---	1974
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

RAM RIVER NEAR THE MOUTH - STATION NO 08DC005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	---	---	---	---	---	---	---	---	1915
1967	---	---	---	4.21	26.8	44.0	18.8	10.6	6.71	5.42	---	---	---	1967
1968	---	---	---	3.45	19.2	31.5	32.6	33.7	15.1	12.2	---	---	---	1968
1969	---	---	---	11.1	34.7	41.7	68.8	26.2	13.2	8.29	---	---	---	1969
1970	---	---	2.74	3.70	25.9	54.2	26.9	9.33	7.26	6.23	---	---	---	1970
1971	---	---	2.75	7.84	28.9	65.1	21.9	10.1	7.43	6.40	---	---	---	1971
1972	---	---	3.37	4.93	26.0	95.0	44.6	22.3	25.8	19.8	---	---	---	1972
1973	---	---	2.84	5.81	58.7	48.7	29.1	15.4	13.6	8.49	---	---	---	1973
1974	---	---	2.51	10.2	42.3	65.5	35.4	17.7	13.7	11.6	---	---	---	1974
1975	---	---	2.09	2.77	14.5	21.6	17.3	11.0	7.05	5.44	3.90	3.31	---	1975
1976	2.88	2.89	3.21	5.80	15.2	17.3	20.1	23.1	12.4	6.88	4.16	3.95	9.85	1976
1977	3.29	2.83	3.36	6.34	36.1	35.8	30.2	21.9	16.9	11.6	5.31	4.13	14.1	1977
1978	3.43	2.78	3.20	7.86	30.6	72.9	44.6	28.1	30.4	15.0	6.91	5.51	21.0	1978
1979	3.61	3.16	3.43	7.82	24.3	26.9	14.6	11.5	8.25	6.14	3.81	4.62	8.78	1979
1980	2.86	2.84	3.95	12.3	26.8	69.4	39.5	18.8	17.1	12.2	6.37	5.10	18.9	1980
1981	4.05	3.77	4.02	5.08	45.8	24.5	84.5	43.9	13.7	10.1	7.47	4.07	22.0	1981
1982	2.89	2.98	2.57	6.79	10.0	42.7	65.0	14.5	11.0	10.3	6.73	4.76	14.4	1982
1983	3.23	3.10	3.04	6.70	26.0	23.8	35.3	9.25	7.58	7.11	4.53	4.45	11.2	1983
1984	3.28	3.31	2.88	5.22	11.5	62.2	13.7	8.85	12.3	30.8	8.45	4.53	13.0	1984
1985	2.88	2.32	2.45	5.21	12.3	21.5	15.2	22.4	35.2	13.7	7.31	5.21	12.1	1985
1986	3.81	3.44	3.94	6.54	40.8	38.4	80.8	19.0	16.4	22.3	12.1	6.54	19.4	1986
MEAN	3.25	3.01	3.02	6.58	27.8	46.0	35.0	18.3	14.8	11.1	6.40	4.72	15.1	MEAN

LOCATION - LAT 52 21 55 N LONG 118 25 33 W DRAINAGE AREA, 1 880 km² NATURAL FLOW

RAM RIVER NEAR THE MOUTH - STATION NO 05DC005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	851 ON JUN 27 *	---	---	---	1915
1967	119 AT 04:30 MST ON MAY 31	101 ON MAY 31	---	---	1967
1968	85.1 AT 11:01 MST ON JUL 22	57.2 ON JUL 22	---	---	1968
1969	241 AT 06:42 MST ON JUL 6	227 ON JUL 6	---	---	1969
1970	303 AT 12:00 MST ON JUN 16	239 ON JUN 16	---	---	1970
1971	246 AT 10:00 MST ON JUN 8	203 ON JUN 6	---	---	1971
1972	470 AT 09:00 MST ON JUN 25	413 ON JUN 25 *	---	---	1972
1973	---	114 ON MAY 31	---	---	1973
1974	153 AT 03:50 MST ON JUN 17	115 ON JUN 17	---	---	1974
1975	39.1 AT 08:30 MST ON JUN 3	31.4 ON JUN 3	---	---	1975
1976	---	40.2A ON AUG 10	2.36 ON NOV 14	311 000	1976
1977	103 AT 06:00 MST ON JUN 2	88.9 ON JUN 2	1.84 ON APR 9 *	445 000	1977
1978	142 AT 10:30 MST ON JUN 6	122 ON JUN 6	2.70B ON FEB 13	884 000	1978
1979	90.6 AT 05:30 MST ON MAY 27	70.2 ON MAY 27	2.39 ON NOV 5	309 000	1979
1980	237 AT 05:45 MST ON JUN 5	223 ON JUN 5	2.30B ON JAN 25	597 000	1980
1981	342 AT 20:15 MST ON JUL 14	276 ON JUL 15	2.50B ON DEC 31	595 000	1981
1982	129 AT 08:43 MST ON JUL 6	126 ON JUL 6	2.05B ON APR 8	454 000	1982
1983	90.9 AT 00:00 MST ON JUL 4	81.5E ON JUL 3	2.18B ON APR 13	355 000	1983
1984	125 AT 22:16 MST ON JUN 2	124 ON JUN 3	2.67B ON MAR 14	412 000	1984
1985	---	119 A ON SEP 13	1.71B ON FEB 9	383 000	1985
1986	219 AT 22:23 MST ON JUL 17	181 ON JUL 18	3.29B ON FEB 17	612 000	1986
				476 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

RAT CREEK NEAR CYNTHIA - STATION NO 07BA002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	3.78	9.33	16.5	8.02	1.88	1.78	4.70	---	---	---	1972
1973	---	---	0.229	8.79	5.82	3.14	1.78	3.27	2.02	2.03	---	---	3.87	1973
1974	---	---	0.412	11.7	16.7	3.06	5.37	1.88	1.27	1.34	---	---	5.32	1974
1975	---	---	0.487	1.14	2.83	3.01	5.55	1.01	0.854	0.580	---	---	1.94	1975
1976	---	---	0.480	4.35	1.56	1.58	2.85	6.43	1.85	0.875	---	---	2.51	1976
1977	---	---	0.306	2.27	17.8	8.69	2.94	7.08	5.03	2.86	---	---	5.98	1977
1978	---	---	0.954	2.56	5.40	13.5	4.66	1.82	5.70	2.77	---	---	4.62	1978
1979	---	---	0.735	2.61	7.17	5.86	3.59	1.21	0.459	0.772	---	---	2.80	1979
1980	---	---	0.345	4.12	4.33	21.6	11.2	4.56	5.66	2.53	---	---	6.87	1980
1981	---	---	0.448	2.16	5.37	5.32	1.81	0.892	0.431	0.568	---	---	2.18	1981
1982	---	---	0.348	2.56	4.70	3.25	30.6	1.88	2.95	2.61	---	---	6.17	1982
1983	---	---	0.300	1.78	2.56	3.86	12.0	1.38	0.776	0.818	---	---	2.92	1983
1984	---	---	0.435	1.87	6.04	3.54	0.846	0.404	4.56	2.57	---	---	2.50	1984
1985	---	---	0.237	7.84	3.92	2.33	1.14	1.72	6.87	2.50	---	---	3.30	1985
1986	---	---	0.748	1.80	8.03	2.49	---	---	---	---	---	---	---	1986
MEAN	---	---	0.489	3.98	7.04	6.49	6.65	2.51	3.03	1.97	---	---	3.92	MEAN

LOCATION - LAT 53 08 17 N, LONG 115 29 17 W
DRAINAGE AREA 606 km^2
NATURAL FLOW

RAT CREEK NEAR CYNTHIA - STATION NO 07BA002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	76.7 AT 20:30 MST ON JUN 28	73.3 ON JUN 28	---	---	1972
1973	18.9 AT 15:40 MST ON APR 30	18.4 ON APR 30	0.190B ON MAR 16	82 000	1973
1974	36.5 AT 05:10 MST ON APR 29	36.2 ON APR 29	0.365B ON MAR 13	113 000	1974
1975	26.6 AT 08:30 MST ON JUL 1	25.5 ON JUL 1	0.450 ON AUG 17	41 000	1975
1976	10.8 AT 01:35 MST ON AUG 8	10.5 ON AUG 8	0.405B ON MAR 29	53 100	1976
1977	42.5 AT 13:45 MST ON MAY 31	41.3 ON MAY 31	0.161B ON MAR 1	127 000	1977
1978	28.9 AT 07:20 MST ON JUN 17	28.2 ON JUN 17	0.272B ON MAR 7	97 800	1978
1979	16.5B AT 07:00 MST ON APR 29	12.7B ON APR 29	0.300B ON MAR 10	59 300	1979
1980	84.9 AT 16:35 MST ON JUN 8	56.8 ON JUN 7	0.335B ON MAR 18	145 000	1980
1981	11.4 AT 16:00 MST ON JUN 2	11.2 ON JUN 2	0.198 ON SEP 16	46 200	1981
1982	111 AT 05:30 MST ON JUL 8	100 ON JUL 8 *	0.300B ON MAR 1	131 000	1982
1983	24.1 AT 08:10 MST ON JUL 5	23.6 ON JUL 5	0.183B ON MAR 25	61 700	1983
1984	13.1 AT 21:16 MST ON MAY 16	12.5 ON MAY 16	0.201B ON MAR 18	52 900	1984
1985	24.5 AT 15:00 MST ON SEP 15	23.2 ON SEP 16	0.140B ON MAR 9 *	89 900	1985
1986	580 IN JUL *	---	0.193B ON MAR 15	---	1986
				83 100	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

RAVEN RIVER NEAR RAVEN - STATION NO. 05CB004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	---	---	---	---	---	---	1.58	---	1.46	1.05	---	1971
1972	0.878	0.877	1.89	3.13	2.23	5.56	3.58	2.21	2.70	2.19	1.64	1.29	2.34	1972
1973	1.25	0.987	1.92	6.74	3.59	3.86	3.08	2.20	1.98	1.78	1.29	1.30	2.42	1973
1974	1.38	1.34	1.29	8.55	6.78	2.67	2.12	2.00	1.91	2.25	1.73	1.03	2.76	1974
1975	0.882	1.15	1.13	3.69	3.63	2.23	1.78	1.50	1.35	1.22	0.837	1.13	1.71	1975
1976	0.909	0.967	1.25	3.62	1.41	1.74	1.21	2.47	1.50	1.34	1.13	1.03	1.55	1976
1977	1.07	1.19	1.16	2.56	4.19	2.20	1.82	1.90	2.11	1.89	1.22	1.15	1.88	1977
1978	1.11	1.27	2.25	4.62	2.92	3.88	2.12	2.18	3.27	2.26	1.84	1.45	2.42	1978
1979	1.25	1.23	3.07	5.28	2.99	1.73	1.63	1.41	1.37	1.58	0.962	0.952	1.95	1979
1980	0.844	0.952	1.08	4.74	1.81	2.75	3.22	2.10	2.22	1.92	1.42	1.14	2.02	1980
1981	1.17	1.21	2.26	1.92	4.96	2.78	4.17	4.34	2.40	2.11	1.70	1.16	2.53	1981
1982	1.12	1.12	1.29	3.49	2.34	2.16	4.81	2.15	1.83	1.67	1.51	1.16	2.06	1982
1983	1.00	1.16	1.68	3.99	2.58	1.56	2.50	1.32	1.37	1.51	1.37	0.823	1.74	1983
1984	1.08	1.09	1.48	1.69	1.55	2.18	1.08	1.04	1.48	1.06	0.949	0.787	1.29	1984
1985	0.925	0.782	1.87	1.77	1.72	1.44	0.956	1.34	2.80	1.80	1.20	1.21	1.50	1985
1986	1.17	1.18	2.62	2.08	4.17	1.68	5.74	2.81	4.52	4.58	2.34	1.65	2.89	1986
MEAN	1.07	1.10	1.77	3.86	3.13	2.50	2.85	2.05	2.16	1.94	1.40	1.15	2.07	MEAN

LOCATION - LAT 52 05 20 N DRAINAGE AREA, 647 km²
LONG 114 28 35 W NATURAL FLOW

RAVEN RIVER NEAR RAVEN - STATION NO. 05CB004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1971	---	---	---	---	1971
1972	34.3 AT 01:30 MST ON JUN 27 *	30.6 ON JUN 26 *	0.821B ON FEB 4	74 100	1972
1973	---	15.2 B ON APR 12	0.906B ON FEB 6	76 300	1973
1974	---	30.3 B ON APR 17	0.850B ON DEC 30	86 900	1974
1975	---	14.2 B ON APR 19	0.708B ON JAN 28	53 900	1975
1976	14.4 B AT 01:00 MST ON APR 11	13.3 B ON APR 10	0.708B ON JAN 26	48 800	1976
1977	12.1 AT 19:30 MST ON MAY 30	11.4 ON MAY 30	0.991B ON JAN 6	59 200	1977
1978	8.83B AT 10:00 MST ON APR 1	9.48B ON APR 1	1.10 B ON JAN 1	76 400	1978
1979	11.5 B AT 05:30 MST ON APR 20	10.9 B ON APR 20	0.900B ON NOV 2	61 500	1979
1980	22.3 B AT 05:00 MST ON APR 14	22.0 B ON APR 14	0.750B ON JAN 16	64 000	1980
1981	17.1 AT 09:10 MST ON AUG 1	16.3 ON AUG 1	1.00 B ON DEC 15	79 800	1981
1982	15.6 AT 11:35 MST ON JUL 6	15.2 ON JUL 6	0.980B ON JAN 21	65 100	1982
1983	8.78 AT 13:30 MST ON APR 26	9.77 ON APR 26	0.675B ON DEC 23	54 900	1983
1984	7.22 AT 14 13 MST ON JUN 10	7.12 ON JUN 10	0.545B ON OCT 20 *	40 700	1984
1985	14.0 AT 04:59 MST ON SEP 14	13.5 ON SEP 14	0.680B ON FEB 10	47 400	1985
1986	26.7 AT 19:26 MST ON JUL 19	26.6 A ON JUL 19	1.01 B ON FEB 19	91 300	1986
				65 400	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

RAY CREEK NEAR INNISFAIL - STATION NO. 05CE010

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	0	0.338	0.105	0.040	0	0	0	0	0	0	0.080	1967
1968	---	---	0.081	0.013	0.003	0.009	0.087	0.022	0.005	0.018	---	---	0.027	1968
1969	---	---	0	1.23	0.012	0	0.053	0.002	0.013	---	---	---	---	1969
1970	---	---	0.033	0.527	---	---	---	---	---	---	---	---	---	1970
1976	---	---	---	---	---	---	0.005	0.005	0	0	---	---	---	1976
1977	---	---	0.004	0.085	0.025	0	0	0	0	0	---	---	0.014	1977
1978	---	---	0.089	0.117	0.021	0.049	0	0	0.018	0.009	---	---	0.039	1978
1979	---	---	0.182	0.080	0.025	0.007	0.001	0	0	0	---	---	0.035	1979
1980	---	---	0	0.083	0.002	0.008	0.004	0	0	0	---	---	0.008	1980
1981	---	---	0.051	0.008	0.054	0.001	0.005	0.023	0	0	---	---	0.018	1981
1982	---	---	0.001	0.380	0.003	0.003	0.047	0.005	0.002	0.004	---	---	0.052	1982
1983	---	---	0.105	0.121	0.009	0.001	0.005	0	0	0	---	---	0.030	1983
1984	---	---	0.026	0.012	0.014	0.012	0	0	0	0	---	---	0.008	1984
1985	---	---	0.095	0.183	0.008	0	0	0	0.002	0.003	---	---	0.036	1985
1986	---	---	0.124	0.019	0.080	0.002	0.116	0.006	0.047	0.030	---	---	0.053	1986
MEAN	---	---	0.057	0.224	0.028	0.010	0.022	0.005	0.006	0.005	0	0	0.032	MEAN

LOCATION - LAT 52 00 03 N DRAINAGE AREA, 42.5 km²
LONG 113 35 55 W NATURAL FLOW

RAY CREEK NEAR INNISFAIL - STATION NO 05CE010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	1.04 ON APR 16	0B ON MAR 1 *	1 270	1967
1968	1.01 AT 19:40 MST ON JUL 22	0.843 ON JUL 23	0 ON MAY 30	581	1968
1969	---	5.20 B ON APR 5 *	0B ON MAR 1	---	1969
1970	---	2.78 ON APR 5	0B ON MAR 1	---	1970
1976	0.082 AT 05:00 MST ON JUN 28	---	0 ON JUL 13	---	1976
1977	0.498 AT 13:30 MST ON APR 6	0.351 ON APR 6	0 ON MAR 1	288	1977
1978	1.44 AT 16:10 MST ON MAR 30	1.15 ON MAR 30	0B ON MAR 1	825	1978
1979	1.60 AT 11:00 MST ON MAR 12	0.875 ON MAR 12	0B ON MAR 1	731	1979
1980	0.430 AT 22:40 MST ON APR 13	0.354 ON APR 14	0B ON MAR 1	197	1980
1981	0.940 AT 10:30 MST ON MAY 7	0.767 ON MAY 7	0 ON MAY 25	379	1981
1982	2.87 AT 11:11 MST ON APR 14 *	2.14 ON APR 14	0B ON MAR 1	1 100	1982
1983	---	0.6008 ON MAR 31	0B ON MAR 1	835	1983
1984	---	0.1738 ON MAR 24	0B ON MAR 1	188	1984
1985	2.74 AT 11:43 MST ON APR 3	1.31 ON APR 2	0B ON MAR 1	784	1985
1986	1.85 AT 06:58 MST ON JUL 18	1.27 ON JUL 18	0 ON JUN 11	1 130	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		673	MEAN

RAYMOND COULEE NEAR RAYMOND - STATION NO 05AF024

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1927	---	---	---	---	---	0.327	0.366	0.058	0.002	0.001	---	---	---	1927
1928	---	---	0.813	0.153	0.001	0.054	0.277	0	0	0	---	---	0.183	1928
1929	---	---	0.249	0.436	0.196	0.726	0	0	0	0	---	---	0.198	1929
1930	---	---	0.042	0.016	0.030	0	0	---	---	---	---	---	---	1930
1931	---	---	---	---	---	---	---	---	---	---	---	---	---	1931
1936	---	---	0.143	0	0	0	---	---	---	---	---	---	---	1936
MEAN	---	---	0.312	0.151	0.057	0.221	0.161	0.019	0.001	0	---	---	0.181	MEAN

LOCATION - LAT 49 25 04 N
LONG 112 40 17 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1930

RAYMOND COULEE NEAR RAYMOND - STATION NO 05AF024

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1927	---	15.9 ON MAY 30 *	0 ON JUN 17 *	---	1927
1928	---	8.47 ON MAR 22	0 ON MAR 1	3 480	1928
1929	---	7.96 ON JUN 3	0B ON MAR 1	4 200	1929
1930	---	0.130 ON MAY 13	0 ON MAY 26	---	1930
1931	---	---	0B ON MAR 5	---	1931
1936	---	1.44 ON MAR 3	0 ON MAR 1	---	1936
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		3 830	MEAN

RAYMOND IRRIGATION DISTRICT CANAL NEAR WELLING - STATION NO. 05AE022

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1927	---	---	---	0	0.200	0.221	0.725	0.889	0.706	0.374	---	---	0.463	1927
1928	---	---	---	0	0.498	0.886	0.231	0.539	1.04	0.129	---	---	0.473	1928
1929	---	---	---	0	0.038	0.380	0.930	1.22	1.14	0.530	---	---	0.508	1929
1930	---	---	---	0	0.608	1.80	1.92	1.56	1.03	0.215	---	---	1.02	1930
1931	---	---	---	0.113	1.48	1.78	1.80	1.98	1.44	0.298	---	---	1.28	1931
1932	---	---	---	0	0.458	0.649	1.87	1.72	0.904	0.680	---	---	0.903	1932
1933	---	---	---	0	0	2.35	2.53	2.51	1.15	0.586	---	---	1.30	1933
1934	---	---	---	0	2.09	1.25	1.83	2.03	1.38	0.324	---	---	1.28	1934
1935	---	---	---	0	0.287	2.11	3.17	1.97	1.19	0.592	---	---	1.33	1935
1936	---	---	---	0	0.882	2.21	2.06	1.48	1.23	0.195	---	---	1.15	1936
1937	---	---	---	0	0.922	1.29	2.48	1.75	1.17	0.082	---	---	1.10	1937
1938	---	---	---	0	0.561	2.63	2.54	1.92	1.38	0.523	---	---	1.37	1938
1939	---	---	---	0.529	2.07	0.556	1.67	1.62	1.40	0.581	---	---	1.21	1939
1940	---	---	---	0	0.415	2.20	2.22	1.36	1.38	0.618	---	---	1.17	1940
1941	---	---	---	0.054	1.43	0.821	1.77	1.62	1.20	0.492	---	---	1.06	1941
1942	---	---	---	0	0.727	0.416	0.913	1.62	1.13	0.552	---	---	0.789	1942
1943	---	---	---	0	0.711	2.01	2.67	2.87	1.61	1.15	---	---	1.58	1943
1944	---	---	---	0.285	1.97	1.70	2.21	1.61	1.29	1.23	---	---	1.47	1944
1945	---	---	---	0.029	0.174	0.836	1.90	1.41	1.36	0.650	---	---	0.911	1945
1946	---	---	---	0	2.22	1.16	2.26	1.89	1.37	0.780	0.224	---	1.36	1946
1947	---	---	---	0	0.156	0.616	1.89	1.59	0.922	0.830	0.005	---	0.862	1947
1948	---	---	---	0	0	0.357	1.07	2.01	1.40	0.710	---	---	0.796	1948
1949	---	---	---	0.108	1.04	1.17	2.30	2.44	1.48	0.717	---	---	1.33	1949
1950	---	---	---	0	0.241	2.13	1.74	2.48	2.13	0.809	---	---	1.36	1950
1951	---	---	---	0	0.109	0.260	0.534	1.74	0.240	0.484	---	---	0.485	1951
MEAN	---	---	---	0.045	0.771	1.27	1.81	1.75	1.23	0.565	0.115	---	1.07	MEAN

LOCATION - LAT 49 26 30 N
LONG 112 47 07 W REGULATED

RAYMOND IRRIGATION DISTRICT CANAL NEAR WELLING - STATION NO. 05AE022

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1927	---	1.23 ON AUG 2	0 ON APR 1 *	8 560	1927
1928	---	2.61 ON JUN 5	0 ON APR 1	8 740	1928
1929	---	2.18 ON OCT 23	0 ON APR 1	11 200	1929
1930	---	2.80 ON JUN 28	0 ON APR 1	18 800	1930
1931	---	3.71 ON AUG 1 *	0 ON APR 1	23 500	1931
1932	---	2.68 ON JUL 30	0 ON APR 1	16 700	1932
1933	---	3.34 ON JUN 26	0 ON APR 1	24 100	1933
1934	---	3.45 ON MAY 30	0 ON APR 1	23 500	1934
1935	---	3.60 ON JUL 1	0 ON APR 1	24 700	1935
1936	---	3.71A ON JUN 1	0 ON APR 1	21 300	1936
1937	---	3.40 ON JUL 7	0 ON APR 1	20 400	1937
1938	---	3.48A ON JUN 23	0 ON APR 1	25 200	1938
1939	---	2.86 ON MAY 18	0 ON APR 1	22 400	1939
1940	---	2.83 ON JUN 29	0 ON APR 1	21 700	1940
1941	---	2.35 ON JUL 29	0 ON APR 1	18 600	1941
1942	---	2.84 ON AUG 26	0 ON APR 1	14 200	1942
1943	---	3.40 ON AUG 7	0 ON APR 1	28 200	1943
1944	---	2.92A ON MAY 20	0 ON APR 1	27 300	1944
1945	---	2.44 ON JUL 13	0 ON APR 1	16 800	1945
1946	---	3.40 ON MAY 9	0 ON APR 1	25 200	1946
1947	---	2.58 ON JUL 18	0 ON APR 1	15 900	1947
1948	---	2.35 ON AUG 17	0 ON APR 1	14 700	1948
1949	---	2.94 ON AUG 2	0 ON APR 1	24 600	1949
1950	---	2.78 ON JUN 17	0 ON APR 1	25 200	1950
1951	---	2.35 ON AUG 11	0 ON APR 1	8 560	1951
				19 700	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

READYMADE DRAIN A - STATION NO. 05AG016

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	---	0	0	0	0.014	0	0	0	---	---	---	1971
MEAN	---	---	---	0	0	0	0.014	0	0	0	---	---	---	MEAN

LOCATION - LAT 49 42 34 N
LONG 112 26 14 W REGULATED

READYMADE DRAIN A - STATION NO. 05AG016

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	---	0.051 ON JUL 20 *	0 ON APR 1 *	---	1971
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

READYMADE DRAIN B - STATION NO. 05AG017

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	---	---	0.006	0.054	0.175	0.081	0.026	0.034	---	---	---	1971
MEAN	---	---	---	---	0.006	0.054	0.175	0.081	0.026	0.034	---	---	---	MEAN

LOCATION - LAT 49 42 18 N
LONG 112 26 42 W REGULATED

READYMADE DRAIN B - STATION NO. 05AG017

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	---	0.284 ON JUL 13 *	0 ON MAY 14 *	---	1971
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

READYMADE DRAIN C - STATION NO. 05AG022

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	---	0	0	0.008	0.005	0.001	0	0	---	---	---	1971
MEAN	---	---	---	0	0	0.008	0.005	0.001	0	0	---	---	---	MEAN

LOCATION - LAT 49 41 28 N
LONG 112 23 35 W REGULATED

READYMADE DRAIN C - STATION NO. 05AG022

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	---	0.051 ON JUN 14 *	0 ON APR 1 *	---	1971
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

READYMADE MAIN INFLOW CANAL - STATION NO. 05AG013

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	---	---	---	0.218	0.452	0.233	0.245	0.027	---	---	---	1968
1969	---	---	---	---	0.151	0.408	0.130	0.304	0.545	0.022	---	---	---	1969
1970	---	---	---	---	0.188	0.401	0.696	0.222	0.386	0.088	---	---	---	1970
1971	---	---	---	0	0.123	0.194	0.717	0.324	0.078	0.082	---	---	---	1971
1972	---	---	---	0	0.113	---	---	---	---	---	---	---	---	1972
MEAN	---	---	---	0	0.144	0.305	0.499	0.271	0.314	0.045	---	---	---	MEAN

LOCATION - LAT 49 38 42 N
LONG 112 26 34 W REGULATED

READYMADE MAIN INFLOW CANAL - STATION NO. 05AG013

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	0.889 ON JUL 29	0 ON JUN 15 *	---	1968
1969	---	0.937 ON JUN 18	0 ON APR 25	---	1969
1970	---	0.898 ON JUL 30	0 ON APR 28	---	1970
1971	---	0.954 ON JUL 22 *	0 ON APR 1	---	1971
1972	---	---	0 ON APR 1	---	1972
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

READYMADE MINI INFLOW B - STATION NO. 05AG015

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	---	---	---	0.031	0.02	0.044	0	0	---	---	---	1968
1971	---	---	---	0	0	0.038	0.092	0.024	0	0	---	---	---	1971
MEAN	---	---	---	0	0	0.035	0.059	0.034	0	0	---	---	---	MEAN

LOCATION - LAT 49 41 24 N
LONG 112 28 39 W REGULATED

READYMADE MINI INFLOW B - STATION NO. 05AG015

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1988	---	0.156 ON JUN 5	0 ON JUN 1 *	---	1988
1971	---	0.173 ON JUL 19 *	0 ON APR 1	---	1971
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

RED CREEK AT HIGHWAY NO. 4 - STATION NO. 11AA037

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1983	---	---	---	---	0.012	0.004	0.001	0	0.001	0.003	---	---	---	1983
MEAN	---	---	---	---	0.012	0.004	0.001	0	0.001	0.003	---	---	---	MEAN

LOCATION - LAT 49 02 39 N
LONG 111 59 43 W NATURAL FLOW

RED DEER RIVER ABOVE PANTHER RIVER - STATION NO. 05CA004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	47.1	29.4	21.0	14.9	8.88	---	---	---	1967
1968	---	---	---	---	18.7	33.2	28.5	18.1	11.9	7.87	---	---	---	1968
1969	---	---	---	---	22.0	42.0	38.8	20.6	11.1	8.60	---	---	---	1969
1970	---	---	2.83	2.88	8.80	37.3	25.6	18.2	8.08	5.02	---	---	15.1	1970
1971	---	---	2.85	2.80	15.0	39.0	23.8	21.7	9.25	5.80	---	---	16.7	1971
1972	---	---	---	2.78	13.5	56.8	36.6	22.5	12.2	7.36	---	---	21.7	1972
1973	---	---	---	3.80	18.7	33.1	26.6	18.0	10.9	8.23	---	---	16.9	1973
1974	---	---	---	---	---	---	---	19.8	11.0	8.37	---	---	---	1974
1975	---	---	---	2.97	6.55	18.5	25.7	14.6	8.26	5.43	---	---	11.7	1975
1976	---	---	---	---	---	20.1	28.8	26.7	15.6	7.00	---	---	---	1976
1977	---	---	---	3.25	17.1	27.0	16.5	22.2	11.1	6.20	---	---	14.8	1977
1978	---	---	---	3.08	10.1	39.3	30.1	18.0	13.5	7.56	---	---	17.3	1978
1979	---	---	---	3.22	10.6	25.0	21.9	17.7	10.2	5.72	---	---	13.5	1979
1980	---	---	---	5.31	21.3	36.4	19.7	14.2	8.88	7.42	---	---	16.3	1980
1981	---	---	---	3.02	27.5	25.7	46.2	32.8	14.2	7.04	---	---	22.4	1981
1982	---	---	---	3.11	8.51	34.0	26.5	16.6	12.2	6.84	---	---	15.4	1982
1983	---	---	---	3.47	13.3	22.5	27.1	20.1	9.78	5.65	---	---	14.6	1983
1984	---	---	---	2.87	6.40	25.5	19.1	18.9	11.0	7.82	---	---	13.1	1984
1985	---	---	---	3.14	12.7	16.8	20.3	16.8	15.6	7.28	---	---	13.2	1985
1986	---	---	---	2.62	19.8	38.9	28.3	19.1	11.1	10.0	---	---	18.6	1986
MEAN	---	---	2.84	3.20	14.8	32.6	27.3	20.0	11.6	8.79	---	---	16.1	MEAN

LOCATION - LAT 51 39 33 N DRAINAGE AREA, 941 km^2
LONG 115 24 23 W NATURAL FLOW

RED DEER RIVER ABOVE PANTHER RIVER - STATION NO. 05CA004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	---	---	1967
1968	52.6 AT 01:18 MST ON JUN 27	54.9 ON JUN 27	---	---	1968
1969	87.8 AT 01:59 MST ON JUN 5	80.7 ON JUL 4	---	---	1969
1970	154 AT 11:31 MST ON JUN 16 *	119 ON JUN 16 *	2.828 ON APR 27	279 000	1970
1971	88.1 AT 07:00 MST ON JUN 6	76.5 ON JUN 6	2.298 ON APR 2	309 000	1971
1972	103 AT 02:30 MST ON JUN 25	92.3 ON JUN 25	2.448 ON APR 13	401 000	1972
1973	100 AT 05:45 MST ON JUN 24	84.4 ON JUN 24	3.118 ON APR 1	312 000	1973
1974	---	---	---	---	1974
1975	47.9 AT 09:00 MST ON JUL 14	42.2 ON JUL 14	2.57 ON APR 8	217 000	1975
1976	52.4 AT 11:30 MST ON AUG 10	49.3 ON AUG 10	---	---	1976
1977	88.2 AT 00:30 MST ON JUN 9	80.9 ON JUN 8	2.45 ON APR 3	273 000	1977
1978	93.7 AT 05:50 MST ON JUN 8	80.7 ON JUN 8	2.27 ON APR 15	321 000	1978
1979	84.4 AT 07:00 MST ON MAY 27	52.6 ON MAY 27	2.878 ON APR 1	248 000	1979
1980	70.6 AT 05:00 MST ON JUN 17	60.3 ON JUN 17	2.448 ON APR 5	301 000	1980
1981	104 AT 08:05 MST ON MAY 26	84.7 ON MAY 26	2.43 ON APR 10	415 000	1981
1982	86.0 AT 03:42 MST ON JUN 15	48.5 ON JUN 15	2.598 ON APR 9	285 000	1982
1983	87.4 AT 09:32 MST ON JUL 3	55.6 ON JUL 3	2.47 ON APR 15	270 000	1983
1984	71.3 AT 02:34 MST ON JUN 30	54.9 ON JUN 30	2.49 ON APR 14	242 000	1984
1985	50.3 AT 00:01 MST ON SEP 13	40.8 ON SEP 13	2.24 ON APR 29 *	244 000	1985
1986	115 AT 01:55 MST ON MAY 29	95.9 ON MAY 29	2.36 ON APR 17	343 000	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		297 000	MEAN

RED DEER RIVER AT DRUMHELLER - STATION NO. 05CE001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	---	---	---	---	---	---	24.8	---	1915
1916	12.1	12.4	36.5	89.7	107	384	382	274	280	123	47.4	22.5	148	1916
1917	19.8	20.4	22.7	218	378	322	117	82.4	54.6	37.6	30.5	12.1	108	1917
1918	13.5	11.4	78.7	92.9	50.5	107	53.2	47.4	31.1	25.8	15.9	6.89	44.8	1918
1919	4.87	5.86	7.83	78.7	71.8	84.2	34.0	59.0	45.0	18.8	10.8	8.43	33.1	1919
1920	8.87	7.86	10.1	243	404	113	128	45.1	24.5	17.8	9.24	6.15	84.9	1920
1921	4.89	5.43	8.42	92.0	78.3	74.3	53.8	37.0	19.4	14.2	8.06	4.45	33.4	1921
1922	2.77	3.12	4.61	49.9	84.0	74.4	80.5	64.9	30.8	16.7	9.74	2.23	32.1	1922
1923	3.07	3.38	4.80	35.2	49.7	374	153	---	---	---	---	---	---	1923
1924	---	---	9.23	51.6	89.3	105	78.8	---	---	---	---	---	---	1924
1925	---	---	---	144	48.8	98.6	50.4	---	---	---	---	---	---	1925
1926	---	---	102	92.0	36.9	110	68.0	---	---	---	---	---	---	1926
1927	---	---	---	282	123	181	175	---	---	---	---	---	---	1927
1928	---	---	---	108	72.8	405	257	---	---	---	---	---	---	1928
1929	---	---	15.4	39.5	80.9	175	42.8	---	---	---	---	---	---	1929
1930	---	---	19.7	51.1	47.4	101	65.2	---	---	---	---	---	---	1930
1931	---	---	8.00	24.5	---	---	---	---	---	---	---	---	---	1931
1959	---	---	---	42.6	40.4	127	102	55.7	39.6	34.1	13.2	10.6	---	1959
1960	7.50	8.59	71.8	99.8	70.2	68.0	70.5	42.5	20.2	18.1	8.26	5.81	41.1	1960
1961	7.25	6.88	23.2	29.1	83.8	70.1	34.2	47.9	23.0	19.3	16.0	4.88	28.9	1961
1962	6.64	7.58	16.8	89.2	41.3	68.6	86.1	52.3	35.0	19.0	11.6	7.83	33.6	1962
1963	3.98	4.58	33.5	88.5	44.6	92.2	116	65.2	36.2	22.3	8.22	10.2	44.4	1963
1964	9.20	10.1	8.85	37.6	123	174	115	36.9	38.8	35.3	16.2	7.13	51.1	1964
1965	9.80	10.1	25.8	243	80.1	224	317	89.1	105	62.9	30.4	19.7	102	1965
1966	13.5	14.6	37.2	113	83.4	104	142	72.5	39.5	33.4	13.6	12.5	56.9	1966
1967	13.6	10.7	13.1	83.6	138	224	77.2	45.2	24.7	22.5	13.3	8.78	56.1	1967
1968	8.70	9.00	21.7	25.8	33.3	79.8	77.0	84.4	38.0	42.7	21.1	8.84	35.9	1968
1969	9.79	9.11	8.41	187	84.8	98.2	282	84.2	41.1	31.0	17.1	9.43	68.8	1969
1970	6.11	7.55	12.2	104	84.8	170	113	38.7	27.3	20.8	11.9	8.01	48.7	1970
1971	9.05	8.94	11.5	308	71.7	128	75.1	38.9	25.0	20.0	12.5	8.39	59.5	1971
1972	8.87	8.95	32.4	79.9	61.0	174	143	86.9	45.3	32.9	20.1	9.18	57.0	1972
1973	12.0	10.2	37.3	140	116	132	94.2	65.7	42.7	26.8	16.3	11.4	58.9	1973
1974	10.4	10.9	11.8	302	205	153	89.2	52.5	36.7	29.8	16.2	11.1	77.3	1974
1975	8.80	7.33	9.32	82.1	85.8	53.2	49.9	37.1	22.3	18.0	10.9	8.74	32.7	1975
1976	7.83	7.76	32.3	53.5	37.7	49.1	47.2	80.5	38.3	21.8	12.3	8.17	33.1	1976
1977	8.12	8.88	10.6	37.1	81.8	77.8	35.3	49.4	40.7	30.4	10.9	7.11	33.3	1977
1978	8.47	7.63	26.8	90.3	76.6	132	78.0	56.7	60.2	34.9	14.7	11.4	50.1	1978
1979	7.10	5.37	28.1	52.4	84.8	64.1	47.8	37.1	26.5	18.3	8.19	8.86	30.8	1979
1980	6.38	5.51	5.46	78.9	53.9	166	87.6	49.6	47.3	30.0	16.6	11.1	46.5	1980
1981	10.6	13.3	31.6	32.4	150	108	158	187	50.0	30.6	22.9	10.2	67.6	1981
1982	6.88	5.89	10.1	114	83.8	91.3	188	58.0	42.1	38.0	14.0	8.85	53.8	1982
1983	8.52	8.18	22.3	77.4	83.5	33.7	85.5	29.1	20.0	23.8	17.2	16.5	34.0	1983
1984	16.7	17.0	20.4	34.9	44.5	30.8	17.2	28.0	29.0	23.3	13.8	14.2	24.0	1984
1985	14.7	14.5	36.6	91.5	29.6	30.6	19.0	38.0	77.0	36.4	17.3	15.6	35.0	1985
1986	16.7	16.8	41.0	30.4	115	113	209	74.4	78.8	101	34.3	18.5	71.3	1986
MEAN	9.31	9.44	24.2	100	91.1	133	107	63.2	46.7	32.3	16.3	10.4	53.4	MEAN

LOCATION - LAT 51 26 08 N
LONG 112 42 30 W

DRAINAGE AREA, 24 800 km²
REGULATED SINCE 1983

RED DEER RIVER AT DRUMHELLER - STATION NO. 05CE001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	---	---	---	1915
1916	---	852 ON AUG 21	9.858 ON JAN 28	4 620 000	1916
1917	---	906 ON MAY 18	9.638 ON DEC 25	3 410 000	1917
1918	---	314 B ON MAR 26	4.708 ON DEC 28	1 410 000	1918
1919	---	177 ON MAY 12	4.308 ON JAN 23	1 050 000	1919
1920	---	1 120 ON MAY 10	3.008 ON DEC 27	2 880 000	1920
1921	---	243 ON APR 18	3.118 ON DEC 31	1 050 000	1921
1922	---	142 ON MAY 4	1.538 ON DEC 13 *	1 010 000	1922
1923	1 220 AT 10:00 MST ON JUN 3 *	1 130 ON JUN 3 *	2.418 ON JAN 5	---	1923
1924	178 AT 16:40 MST ON JUL 3	178 ON JUL 3	---	---	1924
1925	3288 AT 16:25 MST ON APR 9	326 B ON APR 9	---	---	1925
1926	---	---	---	---	1926
1927	---	731 ON APR 15	---	---	1927
1928	1 080 AT 18:00 MST ON JUN 9	876 ON JUN 10	---	---	1928
1929	1 010 AT 01:00 MST ON JUN 5	818 ON JUN 5	---	---	1929
1930	---	131 ON JUN 4	---	---	1930
1931	---	---	---	---	1931
1959	507 AT 07:40 MST ON JUN 29	481 ON JUN 29	---	---	1959
1960	---	326 B ON MAR 28	2.728 ON JAN 8	1 300 000	1960
1961	138 AT 17:20 MST ON MAY 30	133 ON MAY 30	2.218 ON DEC 18	911 000	1961
1962	---	91.2 ON APR 17	3.408 ON JAN 11	1 080 000	1962
1963	---	164 A ON JUL 19	2.128 ON JAN 19	1 400 000	1963
1964	---	478 ON MAY 9	3.91 ON NOV 25	1 820 000	1964
1965	742 AT 12:00 MST ON JUN 20	671 ON JUN 20	8.418 ON JAN 1	3 230 000	1965
1966	---	456 ON JUL 5	7.838 ON DEC 14	1 790 000	1966
1967	680 AT 04:50 MST ON JUN 2	595 ON JUN 2	7.368 ON NOV 25	1 770 000	1967
1968	---	131 ON JUN 11	6.088 ON DEC 31	1 140 000	1968
1969	---	843 ON JUL 8	7.198 ON NOV 21	2 170 000	1969
1970	883 AT 12:00 MST ON JUN 18	801 ON JUN 18	4.058 ON JAN 15	1 540 000	1970
1971	---	742 A ON APR 17	6.658 ON NOV 30	1 880 000	1971
1972	848 AT 11:30 MST ON JUN 27	814 ON [illegible] 27	3.618 ON DEC 12	1 800 000	1972
1973	436 AT 02:00 MST ON APR 4	286 ON APR 4	7.148 ON JAN 13	1 880 000	1973
1974	7738 AT 20:30 MST ON APR 15	677 ON AP[illegible] 21	7.338 ON DEC 22	2 440 000	1974
1975	---	334 ON APR 22	5.248 ON DEC 6	1 030 000	1975
1976	202 AT 20:30 MST ON APR 11	144 ON AUG 12	6.688 ON MAR 7	1 050 000	1976
1977	---	182 A ON JUN 1	4.478 ON NOV 21	1 050 000	1977
1978	220 AT 07:10 MST ON JUN 10	205 ON JUN 8	6.808 ON MAR 3	1 580 000	1978
1979	---	123 ON APR 25	4.598 ON FEB 14	972 000	1979
1980	282 AT 02:30 MST ON JUN 7	276 ON JUN 7	4.908 ON MAR 7	1 470 000	1980
1981	786 AT 21:10 MST ON AUG 1	673 ON AUG 2	7.008 ON DEC 31	2 130 000	1981
1982	500 AT 00:55 MST ON JUL 8	485 ON JUL 8	4.308 ON FEB 5	1 890 000	1982
1983	85 AT 17:40 MST ON JUL 10	179 ON APR 28	8.118 ON FEB 11	1 070 000	1983
1984	104 AT 04:30 MST ON APR 7	76.0 ON MAY 21	7.528 ON OCT 30	788 000	1984
1985	295 AT 15:35 MST ON SEP 15	278 ON SEP 15	10.5 B ON NOV 22	1 110 000	1985
1986	709 AT 02:50 MST ON JUL 20	647 ON JUL 20	10.3 B ON FEB 19	2 250 000	1986
				1 890 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)

B - ICE CONDITIONS

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

RED DEER RIVER AT RED DEER - STATION NO 05CC002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	5.83	7.77	---	54.4	112	112	286	141	128	75.3	36.5	16.8	---	1912
1913	11.8	11.2	11.6	110	116	140	148	93.0	50.6	34.6	23.4	9.26	63.6	1913
1914	7.88	8.42	10.8	25.6	94.0	104	86.8	37.1	31.1	40.8	22.2	9.28	34.9	1914
1915	7.88	7.88	17.2	35.4	126	349	474	230	112	83.1	33.8	14.7	125	1915
1916	11.8	10.6	23.5	80.0	102	328	237	213	204	96.6	51.9	23.9	114	1916
1917	17.3	13.5	14.2	118	287	252	106	58.7	52.2	41.4	29.9	11.5	81.1	1917
1918	12.9	10.9	35.9	80.5	93.7	102	82.6	50.1	37.8	27.8	14.7	7.78	40.9	1918
1919	8.69	7.89	6.99	44.2	58.5	51.8	39.0	56.3	32.7	18.7	10.4	5.97	28.6	1919
1920	6.25	6.33	8.21	87.6	280	97.8	126	46.8	23.1	15.9	8.41	5.81	67.9	1920
1921	5.79	4.84	5.06	86.5	74.7	74.7	51.5	37.1	19.7	15.6	8.69	4.82	31.0	1921
1922	3.72	4.35	4.80	13.9	85.4	74.6	50.8	80.8	30.4	17.9	9.87	3.42	30.2	1922
1923	4.03	3.76	4.51	24.7	43.8	388	138	127	55.3	31.5	15.3	11.2	88.9	1923
1924	8.66	10.4	17.0	52.4	82.9	108	85.4	88.2	38.7	23.8	13.8	9.11	44.6	1924
1925	8.44	8.11	10.7	107	48.2	95.8	54.4	83.4	82.5	78.9	34.3	18.0	52.7	1925
1926	13.7	14.2	73.2	78.4	35.5	91.5	86.0	40.8	283	111	50.7	24.9	73.7	1926
1927	14.1	12.5	16.2	121	108	179	155	116	105	66.2	27.2	14.2	78.1	1927
1928	15.3	16.3	48.9	78.3	80.6	392	226	88.3	38.5	27.1	14.2	11.5	82.7	1928
1929	8.35	7.31	14.0	28.1	78.7	181	36.2	32.5	24.3	15.8	10.5	7.13	36.7	1929
1930	6.38	8.55	17.6	50.6	48.7	103	83.0	38.6	27.8	17.7	12.0	7.06	33.6	1930
1931	4.85	5.89	7.59	16.2	31.2	89.8	84.3	---	---	---	---	---	---	1931
1932	---	---	---	---	98.8	252	89.4	46.2	37.0	24.0	17.2	10.7	---	1932
1933	10.3	8.32	8.88	53.8	132	91.6	---	---	---	---	---	---	---	1933
1935	---	---	---	22.9	41.1	97.2	112	84.9	28.5	18.4	10.3	8.39	---	1935
1936	7.05	5.30	6.63	96.7	61.5	81.7	35.0	29.0	20.4	13.4	7.88	2.78	30.5	1936
1937	3.00	2.91	8.88	21.7	29.3	71.9	48.8	38.0	30.1	28.0	14.2	7.87	25.3	1937
1938	8.04	4.87	12.0	26.6	59.3	106	107	43.7	34.2	20.1	9.20	5.84	36.5	1938
1939	6.10	5.30	15.3	22.9	28.2	197	94.7	36.3	24.7	20.1	17.3	9.99	39.7	1939
1940	5.18	5.25	8.78	106	88.4	51.2	46.7	30.7	31.6	18.1	10.7	8.52	34.2	1940
1941	6.42	7.06	16.2	19.4	15.0	36.8	40.8	49.5	36.7	25.3	12.5	7.46	22.9	1941
1942	5.64	4.87	4.62	12.8	55.3	105	180	81.7	62.2	40.0	25.2	14.6	80.8	1942
1943	8.00	8.48	19.9	184	57.0	139	102	52.4	27.9	20.3	11.3	7.82	53.1	1943
1944	8.29	8.03	15.0	31.0	51.5	191	93.0	152	48.7	33.7	18.4	10.1	64.8	1944
1945	8.52	8.80	11.8	28.7	105	114	86.2	59.9	50.3	44.2	22.9	15.8	46.9	1945
1946	13.8	11.8	38.5	66.1	49.1	176	91.8	46.6	52.3	30.6	13.7	11.8	60.3	1946
1947	12.5	9.86	30.6	110	124	146	76.1	43.5	61.0	55.7	27.4	19.0	59.8	1947
1948	12.6	9.82	9.67	142	363	155	79.3	69.9	32.1	21.2	15.8	8.30	78.5	1948
1949	7.84	7.72	8.71	36.3	35.1	37.4	37.8	29.2	17.6	14.8	11.9	5.92	20.8	1949
1950	4.03	4.78	5.72	27.5	36.3	81.8	65.4	38.6	21.9	14.2	7.76	5.85	28.5	1950
1951	8.10	5.42	7.13	37.1	100	116	134	74.4	127	51.1	36.0	24.0	80.3	1951
1952	18.1	13.8	23.8	205	82.7	243	116	86.2	38.4	27.2	22.7	8.72	70.0	1952
1953	8.98	11.6	13.7	47.6	108	280	138	82.8	47.0	25.6	18.1	10.2	84.3	1953
1954	10.1	13.7	12.9	84.2	192	241	103	252	182	74.5	45.2	19.6	101	1954
1955	11.4	14.2	15.6	165	155	111	88.4	40.8	29.8	22.6	8.00	7.26	58.7	1955
1956	6.90	6.85	19.1	89.2	86.8	92.7	80.8	42.5	27.8	16.1	13.1	8.20	40.3	1956
1957	8.98	6.67	12.6	89.6	80.0	84.4	35.8	29.1	25.2	21.0	16.6	10.6	30.9	1957
1958	9.47	8.94	9.28	89.8	83.2	85.0	108	43.4	30.0	17.8	10.4	8.15	42.0	1958
1959	7.11	7.47	7.66	19.2	37.4	120	82.0	43.4	29.9	25.4	22.7	11.4	34.6	1959
1960	8.82	9.98	82.7	73.2	71.8	86.8	63.3	34.1	19.7	18.7	11.8	7.65	37.3	1960
1961	7.71	6.91	15.3	18.7	88.1	87.1	37.8	49.2	32.8	21.3	16.3	8.11	38.0	1961
1962	5.85	8.53	13.0	28.8	68.0	86.4	81.1	48.5	30.8	18.7	12.2	8.72	39.2	1962
1963	5.36	11.1	18.1	50.6	38.0	87.2	108	56.7	35.2	20.4	11.8	9.00	37.8	1963
1964	8.27	7.58	7.78	28.7	108	185	104	33.8	33.7	27.8	16.1	8.46	45.2	1964
1965	9.09	9.71	13.7	139	82.3	222	286	88.0	102	54.8	28.1	14.7	84.4	1965
1966	12.5	13.5	22.6	74.7	76.2	84.8	128	58.3	36.8	31.6	15.9	11.2	48.9	1966
1967	10.3	11.6	10.9	46.9	113	193	85.1	37.7	23.4	15.3	7.54	7.72	45.2	1967
1968	6.78	8.53	23.8	22.2	33.2	76.8	57.1	58.0	32.8	34.8	17.8	8.33	31.8	1968
1969	8.65	10.6	10.6	109	87.8	124	218	87.9	34.8	28.5	20.3	12.3	51.2	1969
1970	7.13	8.81	13.2	58.1	80.2	186	107	38.6	22.1	17.7	9.00	8.84	43.3	1970
1971	8.89	9.11	9.42	145	88.3	126	88.8	40.2	23.7	18.8	13.4	4.87	43.8	1971
1972	8.84	8.95	26.8	86.2	53.9	189	121	59.8	42.3	31.4	19.1	8.81	50.0	1972
1973	10.1	10.7	33.9	97.2	107	114	74.4	52.2	33.8	21.4	15.8	11.8	48.8	1973
1974	9.08	10.6	9.85	112	143	138	75.0	44.3	30.3	28.0	15.0	7.21	51.8	1974
1975	7.53	7.81	8.83	50.7	55.8	49.0	47.7	35.1	18.8	14.9	8.78	8.72	26.1	1975
1976	7.38	8.05	8.49	30.3	36.4	44.7	44.2	66.0	33.4	18.8	12.3	9.54	26.7	1976
1977	9.56	9.81	8.41	24.1	73.8	85.5	32.4	44.8	36.9	27.0	10.2	8.58	29.4	1977
1978	7.73	7.54	13.4	56.3	87.0	112	74.2	52.0	49.3	29.8	15.7	12.6	41.7	1978
1979	7.58	8.80	26.3	42.1	56.8	58.7	42.2	32.9	21.7	15.0	7.81	6.07	27.2	1979
1980	4.87	5.80	6.86	62.5	51.1	131	63.3	40.5	48.9	25.8	14.8	10.7	37.8	1980
1981	10.3	8.36	19.8	23.1	141	85.5	180	149	44.0	28.0	16.8	6.42	58.1	1981
1982	5.28	7.42	7.26	81.2	52.5	89.0	135	40.6	30.2	29.0	12.0	8.89	42.3	1982
1983	8.66	8.74	18.7	59.1	57.6	22.6	83.1	30.6	18.4	23.6	18.2	16.8	30.7	1983
1984	15.7	15.8	18.1	22.8	44.0	23.4	17.1	27.3	24.4	22.3	16.1	13.3	21.8	1984
1985	14.8	15.0	22.7	52.3	24.2	30.1	20.7	35.6	76.0	32.1	20.9	17.2	28.8	1985
1986	17.9	17.8	28.3	21.4	89.3	101	179	83.3	80.0	90.0	34.0	21.8	83.2	1986
MEAN	8.85	8.95	16.6	83.2	82.0	138	99.2	63.9	48.6	32.0	18.0	10.3	48.3	MEAN

LOCATION - LAT 52 16 36 N DRAINAGE AREA, 11 800 km²
LONG 113 48 57 W REGULATED SINCE 1983

RED DEER RIVER AT RED DEER - STATION NO. 05CC002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	---	---	---	1912
1913	---	---	---	---	1913
1914	---	382 ON JUN 29	2.970 ON DEC 27	2 010 000	1914
		167 ON JUN 14	5.520 ON JAN 1	1 100 000	
1915	1 930 AT 21:30 MST ON JUN 27 *	1 890 ON JUN 27 *	6.800 ON JAN 25	3 950 000	1915
1916	---	705 ON AUG 20	8.780 ON FEB 18	3 590 000	1916
1917	---	634 ON MAY 17	8.695 ON DEC 1	2 580 000	1917
1918	---	198 ON JUN 11	5.690 ON DEC 22	1 290 000	1918
1919	---	130 ON AUG 6	5.100 ON DEC 9	901 000	1919
1920	---	718 ON MAY 9	4.450 ON DEC 12	1 830 000	1920
1921	---	222 B ON APR 16	2.920 ON DEC 31	979 000	1921
1922	---	157 ON MAY 2	1.610 ON DEC 7 *	951 000	1922
1923	1 130 AT 17:00 MST ON JUN 2	985 ON JUN 2	3.450 ON MAR 4	2 170 000	1923
1924	---	178 ON JUN 30	6.940 ON DEC 23	1 410 000	1924
1925	362 B AT 08:30 MST ON APR 7	340 B ON APR 6	7.590 ON JAN 25	1 680 000	1925
1926	619 AT 17:45 MST ON SEP 11	612 ON SEP 11	12.6 B ON JAN 21	2 320 000	1926
1927	---	306 ON APR 17	12.4 B ON FEB 1	2 460 000	1927
1928	1 030 ON JUN 9	980 ON JUN 9	10.0 B ON DEC 31	2 630 000	1928
1929	1 210 AT 05:00 MST ON JUN 4	958 ON JUN 4	6.120 ON DEC 12	1 160 000	1929
1930	---	172 ON JUN 8	5.380 ON DEC 30	1 080 000	1930
1931	---	190 ON JUL 6	2.410 ON JAN 11	---	1931
1932	---	1 040 ON JUN 3	---	---	1932
1933	---	---	4.590 ON FEB 27	---	1933
1935	---	211 ON JUL 2	---	---	1935
1936	---	382 ON APR 18	1.930 ON DEC 5	885 000	1936
1937	---	149 ON JUN 16	2.460 ON FEB 7	797 000	1937
1938	337 ON JUL 3	288 ON JUL 3	4.230 ON MAR 2	1 190 000	1938
1939	826 AT 10:00 MST ON JUN 18	580 ON JUN 18	4.330 ON MAR 10	1 250 000	1939
1940	---	231 ON APR 17	3.880 ON JAN 24	1 080 000	1940
1941	---	144 ON AUG 26	5.240 ON MAR 14	721 000	1941
1942	---	827 ON JUL 13	3.450 ON APR 3	1 590 000	1942
1943	---	532 ON APR 11	5.580 ON NOV 25	1 670 000	1943
1944	---	551 ON AUG 1	5.470 ON MAR 4	1 730 000	1944
1945	---	229 ON MAY 27	6.000 ON JAN 1	1 480 000	1945
1946	---	300 ON JUN 9	11.0 B ON FEB 28	1 590 000	1946
1947	549 AT 11:45 MST ON MAY 11	538 ON MAY 11	8.870 ON FEB 28	1 880 000	1947
1948	---	682 ON MAY 9	7.580 ON DEC 13	2 490 000	1948
1949	74.5 AT 14:45 MST ON APR 12	74.5 ON APR 12	3.980 ON DEC 23	658 000	1949
1950	249 AT 11:00 MST ON JUN 18	232 ON JUN 18	3.850 ON JAN 6	838 000	1950
1951	---	377 ON SEP 1	4.670 ON MAR 20	1 900 000	1951
1952	1 170 E AT 10:00 MST ON JUN 24	1 070 E ON JUN 24	7.310 ON DEC 31	2 220 000	1952
1953	580 AT 18:00 MST ON JUN 4	512 ON JUN 4	5.650 ON JAN 23	3 030 000	1953
1954	1 480 AT 18:00 MST ON AUG 25	1 210 ON AUG 25	4.230 ON JAN 5	3 190 000	1954
1955	---	340 B ON APR 7	5.010 ON NOV 1	1 730 000	1955
1956	---	286 B ON APR 13	3.140 ON DEC 6	1 280 000	1956
1957	---	112 ON APR 18	5.760 ON MAR 1	975 000	1957
1958	261 AT 08:00 MST ON APR 11	254 ON APR 11	5.410 ON DEC 11	1 320 000	1958
1959	484 AT 18:00 MST ON JUN 28	453 ON JUN 28	5.490 ON MAR 29	1 690 000	1959
1960	---	326 B ON MAR 28	4.810 ON NOV 30	1 180 000	1960
1961	---	131 ON MAY 28	4.530 ON DEC 19	884 000	1961
1962	---	104 ON MAY 21	4.250 ON DEC 24	923 000	1962
1963	---	174 ON JUL 28	2.880 ON JAN 13	1 180 000	1963
1964	---	282 ON MAY 8	5.100 ON NOV 27	1 430 000	1964
1965	---	731 ON JUN 19	4.810 ON DEC 21	2 680 000	1965
1966	---	459 ON JUL 4	5.100 ON JAN 1	1 540 000	1966
1967	544 AT 06:00 MST ON JUN 1	504 ON JUN 1	6.46 ON NOV 13	1 430 000	1967
1968	---	131 ON JUN 10	5.660 ON JAN 9	1 010 000	1968
1969	640 AT 16:14 MST ON JUL 7	609 ON JUL 7	5.370 ON JAN 1	1 930 000	1969
1970	986 AT 14:01 MST ON JUN 17	841 ON JUN 17	4.960 ON NOV 25	1 380 000	1970
1971	382 AT 16:30 MST ON APR 15	338 ON APR 15	2.740 ON DEC 13	1 380 000	1971
1972	685 AT 11:30 MST ON JUN 26	648 ON JUN 26	3.940 ON DEC 3	1 580 000	1972
1973	271 AT 06:30 MST ON MAY 28	264 ON MAY 28	9.660 ON JAN 1	1 530 000	1973
1974	288 AT 22:30 MST ON APR 19	283 ON APR 20	5.270 ON DEC 24	1 630 000	1974
1975	---	210 B ON APR 20	4.960 ON JAN 17	823 000	1975
1976	135 AT 14:25 MST ON AUG 11	130 ON AUG 11	5.800 ON JAN 11	844 000	1976
1977	142 AT 07:30 MST ON JUN 3	129 ON JUN 3	3.280 ON NOV 24	927 000	1977
1978	194 AT 08:50 MST ON JUN 7	185 ON JUN 7	5.470 ON MAR 3	1 320 000	1978
1979	126 AT 10:15 MST ON MAY 28	114 ON MAY 28	4.300 ON NOV 29	857 000	1979
1980	215 AT 07:27 MST ON JUN 6	211 B ON JUN 6	4.000 ON JAN 9	1 200 000	1980
1981	684 AT 21:10 MST ON JUL 31	557 ON AUG 1	4.300 ON DEC 30	1 880 000	1981
1982	281 AT 01:07 MST ON JUL 6	259 ON JUL 6	3.450 ON JAN 5	1 330 000	1982
1983	---	183 ON APR 27	5.910 ON JAN 1	989 000	1983
1984	79.5 AT 03:49 MST ON MAY 20	74.3 ON MAY 20	10.5 ON JUL 9	884 000	1984
1985	310 AT 15:51 MST ON SEP 14	290 ON SEP 14	13.8 B ON JAN 1	945 000	1985
1986	808 AT 02:53 MST ON JUL 19	498 ON JUL 19	13.8 B ON FEB 19	1 990 000	1986
				1 930 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD
B - REVISED SINCE JAN 1 1986

RED DEER RIVER BELOW BURNT TIMBER CREEK - STATION NO. 05CA009

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	5.72	5.45	5.66	8.63	55.4	77.4	49.2	31.5	22.0	12.5	9.07	7.14	24.2	1973
1974	6.55	6.18	7.48	---	---	110	58.3	36.4	22.5	12.4	8.83	8.71	---	1974
1975	6.28	6.33	6.88	7.50	30.0	38.5	43.2	26.9	15.1	10.5	8.58	6.90	15.6	1975
1976	6.35	5.09	6.83	8.02	30.5	36.0	44.4	53.1	28.7	13.2	7.70	6.21	19.5	1976
1977	5.05	5.83	6.88	8.94	25.1	44.8	25.4	33.1	21.2	14.4	8.28	5.88	16.5	1977
1978	5.01	6.53	6.58	7.85	24.9	78.5	53.7	33.0	26.7	14.5	8.67	5.30	22.3	1978
1979	5.11	6.82	5.67	8.70	24.0	43.3	32.4	25.5	16.5	10.4	7.37	5.48	15.3	1979
1980	5.62	6.05	6.02	10.2	38.2	79.0	31.3	23.8	19.9	14.4	9.45	7.01	20.4	1980
1981	5.78	5.25	6.89	8.04	85.4	56.3	98.4	67.1	25.8	14.5	8.90	6.30	30.7	1981
1982	5.60	6.53	5.83	8.62	17.9	83.1	47.1	26.7	21.6	13.5	7.24	7.48	18.7	1982
1983	5.06	6.86	6.65	8.67	30.6	49.1	54.6	30.7	16.4	10.7	7.41	5.58	19.1	1983
1984	6.78	6.69	6.21	8.78	12.2	46.5	29.5	25.7	16.4	13.6	7.21	6.92	14.6	1984
1985	6.13	5.59	5.39	8.91	22.7	27.9	26.6	29.1	37.3	16.3	8.23	7.18	16.3	1985
1986	6.80	6.83	6.57	8.58	47.6	70.1	84.2	37.2	25.7	31.6	14.6	10.1	27.0	1986
MEAN	6.83	6.83	6.69	7.11	31.9	58.6	47.2	34.3	22.6	14.6	8.26	6.07	20.1	MEAN

LOCATION - LAT. 51 39 02 N DRAINAGE AREA, 2 250 km²
LONG 115 01 00 W NATURAL FLOW

RED DEER RIVER BELOW BURNT TIMBER CREEK - STATION NO. 05CA009

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1973	193 AT 07 30 MST ON JUN 24	159 ON JUN 24	5.108 ON FEB 25	784 000	1973
1974	311 AT 04 10 MST ON JUN 17 *	250 ON JUN 17 *	2.388 ON JAN 11	---	1974
1975	95.8 AT 12 00 MST ON JUL 14	86.0 ON JUL 14	2.298 ON MAR 8 *	493 000	1975
1976	103 AT 07 00 MST ON AUG 5	98.0 ON AUG 10	3.14 ON DEC 4	629 000	1976
1977	111 AT 02 30 MST ON JUN 9	98.3 ON JUN 8	3.408 ON NOV 22	524 000	1977
1978	194 AT 05 50 MST ON JUN 6	162 ON JUN 6	4.398 ON FEB 1	705 000	1978
1979	118 AT 07 00 MST ON MAY 27	96.8 ON MAY 27	2.328 ON DEC 17	483 000	1979
1980	138 AT 04 00 MST ON JUN 11	120 ON JUN 11	3.258 ON JAN 25	645 000	1980
1981	283 AT 11 30 MST ON JUL 30	217 ON JUL 30	2.808 ON APR 11	958 000	1981
1982	90.1 AT 05 04 MST ON JUN 15	86.8 ON JUN 15	3.008 ON APR 2	590 000	1982
1983	186 ON JUL 3	135 A ON JUL 3	4.008 ON MAR 19	602 000	1983
1984	122 A AT 04 06 MST ON MAY 31	82.1 ON JUN 30	3.808 ON MAR 14	483 000	1984
1985	127 AT 04 48 MST ON SEP 13	108 ON SEP 13	2.558 ON FEB 9	513 000	1985
1986	293 AT 03 30 MST ON MAY 29	190 A ON MAY 28	3.538 ON FEB 17	854 000	1986
				633 000	MEAN

A - MANUAL GAUGE B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
(SEE REFERENCE INDEX)

RED DEER RIVER NEAR BINDLOSS - STATION NO. 05CK004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	---	---	---	---	---	---	---	22.9	13.4	9.70	---	1980
1981	9.18	8.11	25.1	36.8	56.2	90.7	46.1	87.2	33.8	31.6	18.5	8.24	35.6	1981
1982	6.15	8.05	9.79	80.6	45.3	84.5	81.7	89.1	47.1	28.9	16.1	6.84	39.9	1982
1983	3.22	8.50	46.5	93.8	48.1	110	123	90.9	47.2	31.5	14.8	8.71	51.8	1983
1984	8.11	8.18	8.81	65.2	111	186	113	84.4	44.5	42.1	21.4	8.44	84.0	1984
1985	8.13	7.16	18.8	277	112	247	352	113	122	83.9	42.8	23.9	118	1985
1986	12.1	10.6	122	188	77.9	131	179	93.4	49.9	43.7	21.2	8.47	78.8	1986
1987	12.1	8.47	13.7	138	181	230	87.2	58.2	35.0	32.0	19.1	6.19	89.4	1987
1988	6.84	5.83	32.8	31.1	34.3	86.9	83.8	80.7	46.3	49.1	22.2	8.87	41.7	1988
1989	7.83	7.72	7.37	344	105	105	289	84.0	53.2	40.1	15.4	12.2	81.1	1989
1990	8.57	8.83	12.1	130	69.7	205	148	58.4	39.6	33.2	15.1	8.27	80.8	1990
1991	8.36	7.80	14.2	382	91.2	148	85.5	60.0	36.9	30.8	12.9	8.12	71.9	1991
1992	3.81	6.45	40.1	86.8	82.0	153	188	89.4	58.5	39.6	18.8	6.52	80.9	1992
1993	9.87	8.80	25.6	152	107	184	109	71.6	58.0	31.5	15.1	10.7	83.6	1993
1994	8.52	8.40	9.98	290	248	170	110	85.5	48.5	40.3	16.3	10.0	85.6	1994
1995	8.80	6.18	6.83	76.0	111	82.6	86.3	52.3	33.3	26.6	12.4	6.84	38.8	1995
1996	8.00	7.80	28.8	86.2	34.6	83.1	84.3	98.3	47.6	32.5	13.6	6.81	39.2	1996
1997	6.88	8.86	16.9	60.4	72.9	86.2	44.1	51.0	46.2	39.8	13.9	6.22	36.0	1997
1998	6.96	6.24	13.3	108	78.9	134	89.7	70.6	72.6	43.3	16.7	10.7	54.3	1998
1999	6.97	6.16	20.6	66.9	59.9	87.2	58.7	42.9	32.2	20.9	11.8	6.96	31.4	1999
2000	3.86	3.83	6.48	103	52.1	172	97.2	82.5	51.4	38.7	23.1	8.82	52.0	2000
2001	10.6	12.6	38.6	61.9	137	134	154	208	80.4	45.6	27.6	8.12	73.8	2001
2002	3.96	6.72	6.48	112	76.1	105	224	79.9	55.5	49.9	18.2	8.57	62.3	2002
2003	7.72	11.2	28.3	73.6	71.1	51.6	96.7	44.4	27.6	28.1	16.7	11.1	39.2	2003
2004	13.0	18.6	22.9	43.6	43.6	51.2	25.9	40.3	36.6	31.4	14.3	11.6	29.2	2004
2005	13.1	13.8	31.2	130	38.2	43.6	29.9	50.7	80.7	45.6	17.6	13.6	41.4	2005
2006	16.6	13.4	63.7	36.2	100	130	152	103	77.4	125	31.3	17.8	76.2	2006
MEAN	7.96	7.86	25.6	116	85.6	124	121	75.4	51.7	41.4	18.6	8.94	57.2	MEAN

LOCATION - LAT. 50 54 10 N DRAINAGE AREA, 44 700 km²
LONG 110 17 30 W REGULATED SINCE 1908

RED DEER RIVER NEAR BINDLOSS - STATION NO. 05CK004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1960	---	---	---	---	1960
1961	189 AT 23:00 MST ON JUN 1	170 ON JUN 2	2.498 ON DEC 21	1 120 000	1961
1962	146 AT 10:00 MST ON JUL 15	132 ON JUL 15	2.898 ON JAN 22	1 280 000	1962
1963	---	292 ON JUN 25	2.668 ON JAN 13	1 830 000	1963
1964	---	389 ON JUN 23	4.478 ON JAN 14	1 710 000	1964
1965	---	699 A ON APR 16	5.838 ON MAR 8	3 740 000	1965
1966	544 AT 02:00 MST ON JUL 8	510 ON JUL 8	7.908 ON MAR 1	2 480 000	1966
1967	467 AT 05:00 MST ON JUN 4	454 ON JUN 4	4.678 ON DEC 31	2 190 000	1967
1968	140 AT 02:00 MST ON JUL 3	130 ON JUN 15	3.548 ON JAN 14	1 320 000	1968
1969	---	835 ON APR 10	7.198 ON MAR 14	2 580 000	1969
1970	---	876 A ON JUN 20 *	4.058 ON JAN 28	1 820 000	1970
1971	869 AT 01:30 MST ON APR 16	778 ON APR 17	4.118 ON DEC 31	2 270 000	1971
1972	558 AT 09:20 MST ON JUN 29	513 ON JUN 29	2.888 ON DEC 3	1 830 000	1972
1973	297 AT 14:40 MST ON APR 5	287 ON JUN 1	7.428 ON FEB 17	2 010 000	1973
1974	756 AT 11:10 MST ON APR 22	733 ON APR 22	5.858 ON JAN 17	2 700 000	1974
1975	---	374 A ON APR 24	3.148 ON DEC 7	1 220 000	1975
1976	212 AT 03:15 MST ON AUG 19	182 ON AUG 19	5.078 ON DEC 12	1 240 000	1976
1977	163 AT 10:10 MST ON JUN 4	157 ON JUN 4	4.338 ON JAN 21	1 140 000	1977
1978	233 AT 15:30 MST ON JUN 12	227 ON JUN 12	5.558 ON MAR 8	1 710 000	1978
1979	110 AT 22:00 MST ON JUN 1	104 ON APR 28	3.748 ON FEB 16	890 000	1979
1980	295 AT 20:00 MST ON JUN 9	289 ON JUN 9	2.758 ON JAN 31	1 850 000	1980
1981	881 AT 10:30 MST ON AUG 4	848 ON AUG 4	3.058 ON DEC 31	2 330 000	1981
1982	981 E AT 00:15 MST ON JUL 11 *	700 A ON JUL 10	2.208 ON JAN 22 *	1 870 000	1982
1983	182 AT 11:12 MST ON JUL 13	177 ON JUL 13	5.588 ON JAN 8	1 240 000	1983
1984	80.9 AT 10:41 MST ON MAY 25	79.1 ON MAY 25	9.208 ON DEC 25	825 000	1984
1985	243 AT 05:50 MST ON APR 6	227 ON APR 6	8.208 ON NOV 27	1 310 000	1985
1986	536 AT 15:45 MST ON JUL 22	513 ON JUL 22	11.1 B ON FEB 15	2 370 000	1986
				1 810 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

RED DEER RIVER NEAR EMPRESS - STATION NO. 05CK002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1917	---	---	---	---	---	---	---	---	---	43.3	32.2	12.3	---	1917
1918	12.4	12.3	73.8	112	58.4	89.5	85.0	51.9	40.4	38.4	22.5	8.79	49.7	1918
1919	8.20	6.05	8.39	103	89.2	80.0	45.1	73.4	46.3	23.0	11.0	7.91	40.3	1919
1920	8.45	10.7	11.4	211	406	130	184	83.3	37.6	24.9	11.8	6.26	90.8	1920
1921	4.02	5.40	10.5	135	82.5	82.3	88.1	54.3	32.5	19.4	8.57	4.12	42.4	1921
1922	1.67	0.985	5.34	48.5	82.5	88.0	73.0	80.4	48.5	25.7	10.3	3.88	40.4	1922
1923	1.84	1.56	3.20	40.9	46.5	350	179	141	72.9	43.0	22.2	10.1	76.1	1923
1924	3.59	5.54	6.73	32.2	87.0	102	114	113	57.7	39.4	16.1	9.88	50.2	1924
1925	4.84	4.28	12.2	178	82.3	111	78.4	101	98.5	86.0	42.6	21.2	86.9	1925
1926	14.6	15.1	140	103	52.7	114	87.7	68.1	312	135	61.2	27.6	85.2	1926
1927	15.1	7.52	20.0	277	182	201	178	137	126	79.5	36.4	23.0	108	1927
1928	20.3	18.6	116	137	90.2	475	358	90.9	85.5	38.9	20.4	11.4	120	1928
1929	8.21	3.88	17.7	40.7	78.2	183	87.2	52.3	38.7	28.8	14.4	7.05	44.0	1929
1930	4.11	12.9	33.0	55.8	55.4	88.7	67.8	57.9	47.6	31.8	22.2	8.14	42.3	1930
1931	5.04	5.71	9.11	20.2	34.6	102	125	51.9	41.9	24.5	14.9	---	---	1931
1932	---	---	---	36.9	---	---	---	---	---	---	---	---	---	1932
1935	---	---	---	---	---	---	---	---	48.8	34.3	8.75	8.41	---	1935
1936	4.02	4.38	7.39	195	85.0	109	---	---	---	---	---	---	---	1936
1944	---	---	10.9	48.2	37.4	211	113	171	61.8	46.2	---	---	---	1944
1945	---	---	30.7	43.4	87.9	141	117	74.5	73.0	72.1	---	---	---	1945
1946	---	---	---	115	49.5	189	138	82.4	60.7	56.6	---	---	---	1946
1947	---	---	76.3	182	124	136	110	76.3	85.4	74.9	---	---	---	1947
1948	---	---	10.7	346	581	215	113	82.6	45.7	34.1	---	---	---	1948
1949	---	---	15.7	61.0	49.0	82.7	55.7	52.9	27.0	24.1	18.6	8.96	---	1949
1950	2.91	3.44	4.84	50.6	49.6	81.7	101	83.1	31.9	30.0	8.06	3.23	36.9	1950
1951	3.89	3.99	3.83	187	168	138	172	103	172	80.0	48.5	27.2	80.5	1951
1952	14.7	13.1	26.6	412	87.7	263	190	103	86.9	41.8	22.5	11.4	102	1952
1953	7.06	6.84	13.7	87.1	137	338	197	108	75.2	36.8	24.4	13.6	85.9	1953
1954	10.2	11.0	18.5	105	267	298	147	262	363	108	86.6	28.8	137	1954
1955	11.8	15.4	13.5	250	218	148	137	86.3	42.7	37.9	10.6	8.43	78.9	1955
1956	6.56	6.40	35.5	252	86.3	118	114	78.1	53.2	35.7	26.9	12.9	88.8	1956
1957	8.02	6.59	31.1	111	100	86.1	62.8	86.3	42.6	37.0	29.5	14.4	47.9	1957
1958	5.85	5.22	12.0	198	88.6	113	128	83.4	46.9	31.0	12.3	7.01	80.3	1958
1959	5.22	3.26	23.7	41.9	37.4	94.6	186	72.7	36.3	37.4	17.7	15.4	46.3	1959
1960	8.12	8.13	55.3	150	88.9	91.6	87.5	87.6	37.8	---	---	---	---	1960
MEAN	7.83	7.89	27.1	131	116	157	124	88.0	78.6	46.9	23.8	12.1	70.4	MEAN

LOCATION - LAT 50 57 50 N
LONG 110 01 40 W
DRAINAGE AREA, 46 800 km^2
REGULATED SINCE 1908

RED DEER RIVER NEAR EMPRESS · STATION NO 05CK002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1917	---	---	---	---	1917
1918	---	3348 ON MAR 27	6.80 B ON DEC 31	1 570 000	1918
1919	---	221 ON MAY 14	5.44 B ON FEB 24	1 270 000	1919
1920	---	733 ON MAY 11	3.88 B ON DEC 31	2 880 000	1920
1921	---	309 ON APR 18	2.83 B ON DEC 31	1 330 000	1921
1922	---	145 ON MAY 7	0.5108 ON JAN 24 *	1 270 000	1922
1923	---	793E ON JUN 4	0.8508 ON MAR 4	2 400 000	1923
1924	---	208 ON JUL 4	1.81 B ON JAN 11	1 580 000	1924
1925	---	348 ON APR 13	3.11 B ON FEB 7	2 110 000	1925
1926	---	547 ON SEP 14	12.3 B ON JAN 30	3 000 000	1926
1927	---	3868 ON APR 17	7.19 B ON FEB 10	3 330 000	1927
1928	---	945 ON JUN 22	4.35 B ON DEC 31	3 800 000	1928
1929	---	6748 ON JUN 6	3.51 B ON MAR 6	1 390 000	1929
1930	---	138 ON JUN 30	2.94 B ON JAN 28	1 330 000	1930
1931	---	362 ON JUN 30	---	---	1931
1932	---	---	---	---	1932
1935	---	---	---	---	1935
1936	---	487 ON APR 19	2.01 B ON MAR 5	---	1936
1944	---	425 ON AUG 5	---	---	1944
1945	---	286 ON MAY 31	---	---	1945
1946	---	309 ON JUN 28	---	---	1946
1947	---	396 ON MAR 26	---	---	1947
1948	---	1 310 ON APR 27 *	---	---	1948
1949	---	109 ON JUL 30	---	---	1949
1950	---	302 ON JUN 21	2.21 B ON DEC 5	1 180 000	1950
1951	---	4508 ON APR 6	2.04 B ON MAR 23	2 850 000	1951
1952	---	1 020 ON JUN 27	8.34 B ON NOV 29	3 240 000	1952
1953	---	748 ON JUN 7	3.17 B ON JAN 22	2 710 000	1953
1954	---	1 150 ON AUG 25	7.39 B ON JAN 17	4 330 000	1954
1955	---	6488 ON APR 6	3.95 B ON DEC 5	2 490 000	1955
1956	---	484 ON APR 11	5.24 B ON JAN 11	2 170 000	1956
1957	---	185 ON APR 1	5.10 B ON JAN 28	1 510 000	1957
1958	---	382 ON APR 9	3.54 B ON DEC 21	1 800 000	1958
1959	---	459 ON JUL 1	2.49 B ON FEB 14	1 480 000	1959
1960	---	3889 ON MAR 27	---	---	1960
	B · ICE CONDITIONS E · ESTIMATED	* · EXTREME RECORDED FOR THE PERIOD OF RECORD		2 230 000	MEAN

RED DEER RIVER NEAR JENNER · STATION NO 05CJ003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	---	---	---	---	---	---	46.4	47.2	27.3	7.75	---	1984
1985	7.43	5.95	17.9	---	---	---	---	137	130	83.4	52.1	24.4	---	1985
1986	13.5	12.9	31.0	128	90.0	119	188	87.2	51.8	41.0	15.7	11.0	84.4	1986
1987	12.8	11.4	---	---	---	---	---	---	---	---	---	---	---	1987
MEAN	11.4	10.4	24.5	128	90.0	119	188	112	76.1	50.5	31.7	14.1	84.4	MEAN

LOCATION · LAT 50 50 38 N DRAINAGE AREA 41 000 km^2
LONG 111 09 12 W NATURAL FLOW

RED DEER RIVER NEAR JENNER · STATION NO 05CJ003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	---	---	---	---	1984
1985	---	---	---	---	1985
1986	---	854 E ON JUL 7 *	8.218 ON DEC 11 *	3 030 000	1986
1987	---	15.78 ON JAN 1	11.0 B ON FEB 9	---	1987
	B · ICE CONDITIONS E · ESTIMATED	* · EXTREME RECORDED FOR THE PERIOD OF RECORD		3 030 000	MEAN

RED DEER RIVER NEAR NEVIS - STATION NO. 05CD004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	---	30.8	46.8	187	89.8	151	46.0	34.5	17.9	10.0	---	1944
1945	8.45	8.77	12.6	32.4	110	115	85.3	52.0	52.1	49.4	19.2	14.2	64.8	1945
1946	13.6	11.8	40.2	84.6	90.0	183	97.7	47.3	53.5	34.8	17.8	11.6	73.5	1946
1947	11.0	10.9	31.1	133	135	141	82.8	52.5	67.5	52.2	28.6	18.4	85.2	1947
1948	14.7	11.6	10.6	187	516	178	80.7	70.6	35.1	33.9	16.2	7.58	138	1948
1949	8.12	7.52	10.5	43.8	34.9	38.4	45.5	34.4	17.8	15.8	11.8	4.58	30.6	1949
1950	4.55	5.73	5.83	36.7	46.0	94.7	74.6	42.2	23.7	---	---	---	---	1950
1951	---	---	8.94	63.6	129	131	148	76.4	140	87.6	---	---	94.2	1951
1952	---	---	17.1	268	70.1	260	135	78.5	45.4	39.0	---	---	112	1952
1953	---	---	12.8	57.3	120	211	147	86.8	54.8	28.3	---	---	103	1953
1954	---	---	13.9	70.2	250	301	116	289	213	83.3	---	---	187	1954
1955	---	---	14.8	197	179	115	98.0	43.1	31.0	23.9	---	---	87.7	1955
1956	---	---	19.8	129	72.2	87.5	83.4	50.0	36.1	17.4	---	---	83.2	1956
1957	---	---	14.1	87.3	80.2	87.3	37.4	30.0	36.3	24.2	---	---	46.9	1957
1958	---	---	11.6	112	84.7	91.4	112	48.5	32.2	30.1	---	---	84.0	1958
MEAN	10.1	9.39	16.0	102	128	155	96.6	78.3	57.9	35.3	18.5	11.1	86.9	MEAN

LOCATION - LAT 52 18 00 N
LONG 113 04 00 W

DRAINAGE AREA 15 100 km²
NATURAL FLOW

RED DEER RIVER NEAR NEVIS - STATION NO. 05CD004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)		MAXIMUM DAILY DISCHARGE (m³/s)		MINIMUM DAILY DISCHARGE (m³/s)		TOTAL DISCHARGE (dam³)	YEAR
1944	---		480	ON AUG 2	---		---	1944
1945	---		260	ON JUN 1	8 480	ON MAR 5	1 370 000	1945
1946	---		281	ON JUN 24	12 4 0	ON MAR 5	1 580 000	1946
1947	---		462	ON MAY 13	10.2 0	ON MAR 3	1 800 000	1947
1948	---		838	ON MAY 10	10.2 0	ON MAR 1	2 910 000	1948
1949	---		87.6	ON JUL 26	8 678	ON MAR 1	848 000	1949
1950	---		288	ON JUN 17	5 108	ON MAR 10 *	---	1950
1951	---		385	ON SEP 4	5 488	ON MAR 4	1 930 000	1951
1952	1 250	ON JUN 25	1 040	ON JUN 25	11 1 0	ON MAR 15	2 370 000	1952
1953	758	ON JUN 5	877	ON JUN 5	9 838	ON MAR 1	2 180 000	1953
1954	1 580	ON AUG 27 *	1 380	ON AUG 25 *	8 618	ON MAR 9	3 530 000	1954
1955	---		362 B	ON APR 8	12 6 0	ON MAR 1	1 880 000	1955
1956	---		334 B	ON APR 15	8 518	ON MAR 24	1 340 000	1956
1957	---		181	ON APR 18	5 808	ON MAR 23	983 000	1957
1958	---		311 B	ON APR 10	8 888	ON APR 3	1 380 000	1958
							1 840 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

RED DEER RIVER NEAR SUNDRE - STATION NO. 05CA001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1950	---	---	---	---	---	---	---	---	---	11 3	---	---	---	1950
1951	---	---	---	---	---	87 3	75 7	45 5	86 7	39 9	---	---	---	1951
1952	---	---	---	18.8	32.3	85 7	83 8	49 9	33 4	14 7	---	---	---	1952
1953	---	---	---	---	33 1	136	79 8	39 2	24 6	14 3	---	---	---	1953
1954	---	---	4.89	5.38	36 1	93 0	74 0	62 9	54 4	24 5	---	---	---	1954
1955	---	---	---	---	24 5	83 4	86 4	26 3	18 4	13 0	---	---	---	1955
1956	---	---	5 63	9 83	35 6	59 9	46 3	28 3	17 8	10 6	---	---	---	1956
1957	---	---	4 49	13 9	49 0	44 6	28 3	25 0	21 5	16 0	---	---	---	1957
1958	---	---	5 17	24 3	62 9	86 5	70 2	38 3	24 8	13 8	---	---	---	1958
1959	---	---	5 27	7 73	34 3	87 1	82 0	32 8	24 4	16 8	---	---	---	1959
1960	---	---	9 44	10 7	24 3	50 4	46 6	30 9	18 1	11 3	---	---	---	1960
1961	---	---	4 23	5 41	41 6	63 2	39 9	43 1	18 6	16 8	---	---	---	1961
1962	---	---	5 28	11 6	26 2	50 5	46 6	34 2	20 3	12 2	---	---	---	1962
1963	---	---	5 27	8 58	25 7	84 0	91 7	47 0	30 5	17 0	---	---	---	1963
1964	---	---	---	---	35 5	134	81 6	37 6	20 9	17 6	---	---	---	1964
1965	---	---	7 87	14 3	21 9	125	107	55 3	53 5	34 5	---	---	---	1965
1966	---	---	11 0	10 1	45 9	80 3	77 2	43 0	25 3	16 7	---	---	---	1966
1967	---	---	5 44	9 02	40 5	89 1	45 9	26 2	19 7	11 7	---	---	---	1967
1968	---	---	5 83	8 92	20 6	81 0	47 0	36 3	22 8	18 0	---	---	---	1968
1969	---	---	6 39	18 6	55 4	89 0	98 4	36 7	21 4	13 0	9 20	7 85	---	1969
1970	6 47	5 26	4 94	5 87	25 8	84 0	45 3	26 5	14 0	8 86	6 85	4 58	19 7	1970
1971	6 46	4 88	4 60	6 32	33 3	78 0	41 4	33 4	18 6	9 37	5 88	3 88	20 3	1971
1972	6 14	6 83	5 52	7 30	35 8	103	57 5	37 1	24 3	15 7	---	---	---	1972
1973	---	---	---	---	---	87 2	65 9	31 3	22 4	13 3	---	---	---	1973
MEAN	6 36	6 96	6 04	11 0	36 7	80 5	62 3	36 6	25 8	15 9	7 13	5 37	20 0	MEAN

LOCATION - LAT 51 42 00 N
LONG 114 51 30 W

DRAINAGE AREA 3 490 km²
NATURAL FLOW

RED DEER RIVER NEAR SUNDRE - STATION NO 05CA001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1950	---	---	---	---	1950
1951	151 AT 05:00 MST ON JUN 15	133 ON JUN 15	---	---	1951
1952	484 AT 09:00 MST ON JUN 23	399 ON JUN 23	---	---	1952
1953	286 AT 12:00 MST ON JUN 3	265 ON JUN 3	---	---	1953
1954	544 AT 08:00 MST ON AUG 25	396 ON AUG 25	---	---	1954
1955	172 AT 04:00 MST ON JUN 13	138 ON JUN 13	---	---	1955
1956	131 AT 14:00 MST ON JUN 5	119 ON JUN 5	---	---	1956
1957	83.8 AT 16:00 MST ON JUN 8	74.2 ON MAY 20	---	---	1957
1958	114 AT 12:00 MST ON JUL 6	100 ON JUL 6	---	---	1958
1959	227 AT 06:00 MST ON JUN 27	195 ON JUN 27	---	---	1959
1960	96.0 AT 07:00 MST ON JUL 2	84.7 ON JUL 1	---	---	1960
1961	141 AT 14:00 MST ON MAY 27	131 ON MAY 27	---	---	1961
1962	77.3 AT 08:00 MST ON JUN 18	69.4 ON JUN 18	---	---	1962
1963	177 AT 01:00 MST ON JUN 30	143 ON JUN 30	---	---	1963
1964	277 AT 23:00 MST ON JUL 3	212 ON JUL 4	---	---	1964
1965	654 AT 15:00 MST ON JUN 18 *	578 ON JUN 18 *	---	---	1965
1966	243 AT 20:00 MST ON JUL 3	174 ON JUL 3	---	---	1966
1967	464 AT 23:30 MST ON MAY 30	305 ON MAY 31	---	---	1967
1968	---	85.8 ON JUN 12	---	---	1968
1969	283 AT 11:30 MST ON JUN 28	240 ON JUN 29	---	---	1969
1970	513 AT 13:00 MST ON JUN 16	382 ON JUN 16	3.448 ON NOV 30 *	622 000	1970
1971	222 AT 11:00 MST ON JUN 6	184 ON JUN 6	3.688 ON DEC 28	636 000	1971
1972	289 AT 08:00 MST ON JUN 25	253 ON JUN 25	---	---	1972
1973	---	138 ON JUN 24	---	---	1973
				629 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

RED WILLOW CREEK NEAR RED WILLOW - STATION NO 05FC904

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1983	---	---	---	0.108	0.129	0.093	1.18	0.021	0.002	0.009	---	---	0.223	1983
MEAN	---	---	---	0.108	0.129	0.093	1.18	0.021	0.002	0.009	---	---	0.223	MEAN

LOCATION - LAT 52 22 15 N LONG 112 52 13 W
DRAINAGE AREA 806 km^2
NATURAL FLOW
DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

RED WILLOW CREEK NEAR RED WILLOW - STATION NO 05FC904

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1983	5.82 AT 13:54 MST ON JUL 4 *	5.04 ON JUL 5 *	0 ON MAY 3 *	4 130	1983
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		4 130	MEAN

REDEARTH CREEK NEAR THE MOUTH - STATION NO 05BB005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	---	---	---	---	2.41	1.79	---	---	---	1973
1974	---	---	---	---	2.14	18.1	12.3	5.33	2.66	1.37	---	---	6.84	1974
1975	---	---	---	---	1.75	10.1	9.33	5.58	3.07	1.83	---	---	5.26	1975
1976	---	---	---	---	5.10	10.6	13.5	8.41	5.83	2.23	---	---	7.60	1976
1977	---	---	---	---	3.89	9.21	5.10	5.25	3.57	1.55	---	---	4.74	1977
1978	---	---	---	---	2.39	12.5	9.18	4.93	3.85	2.25	---	---	5.82	1978
1979	---	---	---	---	2.37	11.3	6.85	3.38	2.08	1.34	---	---	4.53	1979
1980	---	---	---	---	11.6	10.2	4.85	3.44	3.24	2.62	---	---	5.99	1980
1981	---	---	---	---	8.06	10.7	14.9	7.19	2.76	1.48	---	---	7.52	1981
1982	---	---	---	---	2.34	15.6	7.96	4.37	4.08	1.82	---	---	5.99	1982
1983	---	---	---	---	4.03	11.1	7.80	4.10	2.14	1.23	---	---	5.05	1983
1984	---	---	---	---	1.43	12.5	7.99	4.58	2.95	1.88	---	---	5.17	1984
1985	---	---	---	---	5.83	10.6	5.56	3.27	3.30	1.79	---	---	5.04	1985
1986	---	---	---	---	5.61	18.1	8.85	4.93	2.29	1.76	---	---	6.84	1986
MEAN	---	---	---	---	4.35	12.4	8.78	4.98	3.16	1.77	---	---	5.89	MEAN

LOCATION - LAT 51 13 22 N LONG 115 48 40 W
DRAINAGE AREA 147 km^2
NATURAL FLOW

REDEARTH CREEK NEAR THE MOUTH - STATION NO. OSBB005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	---	---	---	1973
1974	42.5 AT 21:00 MST ON JUN 24 *	39.4 ON JUN 24 *	1.09 E ON OCT 31	110 000	1974
1975	15.5 AT 03:30 MST ON JUN 25	14.8 ON JUN 25	0.9348 ON MAY 1	83 700	1975
1976	23.4 AT 19:15 MST ON JUL 1	21.8 ON JUL 1	0.872 ON MAY 1	121 000	1976
1977	23.0 AT 19:30 MST ON JUN 8	19.7 ON JUN 8	1.17 ON OCT 31	75 500	1977
1978	18.4 AT 13:30 MST ON JUN 9	17.5 ON JUN 9	0.977 ON MAY 8	92 500	1978
1979	17.8 AT 23:00 MST ON JUN 12	15.9 ON JUN 13	0.720E ON MAY 1	71 900	1979
1980	27.7 AT 18:15 MST ON MAY 21	24.6 ON MAY 21	1.57 ON OCT 31	95 200	1980
1981	38.5 AT 20:55 MST ON MAY 26	33.0 ON MAY 26	1.17 ON OCT 21	120 000	1981
1982	24.9 AT 23:00 MST ON JUN 15	23.3 ON JUN 15	0.543 ON MAY 1 *	85 100	1982
1983	21.5 AT 20:45 MST ON MAY 30	20.0 ON MAY 30	0.820 ON MAY 8	80 300	1983
1984	37.2 AT 19:34 MST ON JUN 29	29.4 ON JUN 29	0.721 ON MAY 11	82 200	1984
1985	23.1 AT 20:20 MST ON MAY 25	21.4 ON MAY 25	0.650E ON MAY 1	80 100	1985
1986	33.0 AT 22:52 MST ON MAY 30	30.7 ON JUN 2	0.563 ON MAY 1	109 000	1986
				93 800	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

REDWATER RIVER NEAR REDWATER - STATION NO. OSEC003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	0.655	0.881	0.207	0.110	---	---	---	1972
1973	---	---	0.214	3.83	1.09	1.19	0.288	0.688	0.380	0.687	---	---	1.03	1973
1974	---	---	0.085	32.4	13.7	3.07	7.65	1.55	0.548	0.578	---	---	7.40	1974
1975	---	---	0.125	2.51	2.24	0.788	1.05	0.882	1.21	0.445	---	---	1.15	1975
1976	---	---	0.118	3.55	0.848	0.353	0.206	0.178	0.042	0.024	---	---	0.832	1976
1977	---	---	0.058	6.04	2.43	0.240	0.232	0.316	0.322	0.254	---	---	1.23	1977
1978	---	---	0.205	5.78	1.73	---	---	---	---	---	---	---	---	1978
MEAN	---	---	0.134	9.02	3.84	1.12	1.68	0.743	0.448	0.350	---	---	2.28	MEAN

LOCATION - LAT 53 56 55 N
LONG 113 03 30 W
DRAINAGE AREA, 1 490 km^2
NATURAL FLOW

REDWATER RIVER NEAR REDWATER - STATION NO. OSEC003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	---	---	---	1972
1973	8.97 AT 13:15 MST ON APR 7	8.74 ON APR 6	0 ON SEP 17 *	21 800	1973
1974	115 AT 11:40 MST ON APR 25 *	110 ON APR 24 *	0.0858 ON MAR 1	157 000	1974
1975	10.5 AT 13:30 MST ON APR 25	10.2 ON APR 25	0.1168 ON MAR 22	24 300	1975
1976	12.5 AT 00:01 MST ON APR 8	11.0 ON APR 8	0.022 ON SEP 13	13 400	1976
1977	19.3 AT 01:30 MST ON APR 14	18.8 ON APR 14	0.003 ON JUN 21	25 000	1977
1978	15.8 AT 21:20 MST ON APR 8	14.8 ON APR 8	---	---	1978
				48 500	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

REDWATER RIVER NEAR THE MOUTH - STATION NO. OSEC005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	---	0.074	0.082	2.06	1.88	---	---	---	1978
1979	---	---	1.03	12.7	7.58	1.59	2.86	0.828	0.048	0.149	---	---	3.28	1979
1980	---	---	0.045	2.26	0.376	0.074	0.089	0.321	0.927	0.707	---	---	0.591	1980
1981	---	---	2.43	11.8	1.89	0.563	0.199	0.077	0.008	0.019	---	---	2.10	1981
1982	---	---	0.046	6.28	7.54	0.515	0.279	0.141	0.040	0.053	---	---	1.86	1982
1983	---	---	0.037	0.737	0.221	1.66	3.83	0.378	0.057	0.072	---	---	0.887	1983
1984	---	---	0.285	0.877	0.453	0.857	0.089	0.026	0.015	0.040	---	---	0.300	1984
1985	---	---	1.24	8.08	1.72	0.238	0.150	0.017	0.010	0.014	---	---	1.42	1985
1986	---	---	2.90	3.77	0.845	0.047	1.20	0.704	0.035	0.058	---	---	1.17	1986
MEAN	---	---	1.00	5.81	2.55	0.688	0.980	0.284	0.355	0.310	---	---	1.45	MEAN

LOCATION - LAT 53 53 49 N
LONG 112 59 46 W
DRAINAGE AREA, 1 550 km^2
NATURAL FLOW

REDWATER RIVER NEAR THE MOUTH - STATION NO 05EC005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	15.8 AT 21:20 MST ON APR 8	---	---	---	1978
1979	26.9 B AT 01:00 MST ON APR 20	26.5 A ON APR 25	0.003 ON OCT 8	89 400	1979
1980	9.318 AT 07:35 MST ON APR 16	7.848 ON APR 16	0.004 ON AUG 2	12 500	1980
1981	27.7 AT 21:30 MST ON APR 2	26.6 B ON APR 2	0.001 ON SEP 10 *	44 500	1981
1982	25.2 AT 10:20 MST ON APR 28 *	24.9 ON APR 28 *	0.015 ON SEP 25	39 300	1982
1983	8.46 AT 07:50 MST ON JUN 29	8.27 ON JUN 29	0.0188 ON MAR 3	18 700	1983
1984	3.01 AT 06:15 MST ON APR 5	2.738 ON APR 5	0.0088 ON MAR 17	6 340	1984
1985	26.7 B AT 09:05 MST ON APR 7	20.6 B ON APR 7	0.001 ON AUG 25	30 000	1985
1986	---	8.848 ON APR 3	0.014 ON SEP 25	24 700	1986
				30 700	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

REDWATER RIVER NEAR VIMY - STATION NO 05EC007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1985	---	---	1.20	5.89	0.144	0	0	0	0	0	---	---	0.885	1985
1986	---	---	3.79	0.488	0.080	0.084	0.271	0.084	0.002	0.018	---	---	0.804	1986
MEAN	---	---	2.50	3.09	0.112	0.042	0.136	0.032	0.001	0.009	---	---	0.735	MEAN

LOCATION - LAT 54 05 39 N, LONG 113 33 59 W NATURAL FLOW

REDWATER RIVER NEAR VIMY - STATION NO 05EC007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1985	26.7 AT 22:49 MST ON APR 1 *	23.0 ON APR 3 *	0.0 ON MAR 1 *	18 300	1985
1986	---	8.008 ON MAR 21	0.0 ON MAR 1	12 800	1986
				15 500	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

REDWILLOW CREEK NEAR RED WILLOW - STATION NO 05FC005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	---	---	---	---	---	0.030	0.104	0.185	---	---	---	1984
1985	---	---	1.82	0.958	0.182	0.031	0.004	0.049	0.008	0.186	---	---	0.399	1985
1986	---	---	0.774	0.057	0.241	0.015	0.112	0.148	0.018	0.182	---	---	0.183	1986
MEAN	---	---	1.30	0.508	0.202	0.018	0.058	0.078	0.043	0.170	---	---	0.286	MEAN

LOCATION - LAT 52 31 18 N, LONG 112 23 13 W NATURAL FLOW

REDWILLOW CREEK NEAR RED WILLOW - STATION NO 05FC005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	---	---	0 ON SEP 1 *	---	1984
1985	---	12.4 B ON MAR 21 *	0.001 ON AUG 30	8 450	1985
1986	---	3.208 ON MAR 3	0.002 ON APR 14	4 080	1986
				6 270	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

REDWILLOW RIVER NEAR BEAVERLODGE - STATION NO 07GD003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1983	0.984	0.594	0.522	17.6	15.7	12.7	29.2	4.55	0.617	0.710	1.14	0.545	7.13	1983
1984	0.389	0.271	0.403	2.68	14.4	8.98	0.986	0.137	3.37	3.27	1.31	0.491	3.17	1984
1985	0.321	0.151	0.259	3.58	8.44	3.43	0.731	0.357	7.76	7.73	2.03	0.700	2.97	1985
1986	0.368	0.283	2.31	8.39	18.6	9.89	15.0	1.04	0.741	4.14	1.38	0.738	5.10	1986
MEAN	0.500	0.325	0.874	7.61	14.4	8.95	11.5	1.52	3.12	3.96	1.47	0.619	4.59	MEAN

LOCATION - LAT 55 04 55 N, LONG 119 31 30 W DRAINAGE AREA, 1 810 km^2, NATURAL FLOW

REDWILLOW RIVER NEAR BEAVERLODGE - STATION NO. 07GD003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1983	43.8 AT 17:57 MST ON JUL 27	38.8 ON JUN 28	0.346 ON OCT 12	225 000	1983
1984	38.9 AT 09:30 MST ON MAY 18	38.0 ON MAY 18	0.0908 ON MAR 16 *	100 000	1984
1985	17.0 AT 18:00 MST ON SEP 19	16.9 ON SEP 19	0.1308 ON MAR 5	83 500	1985
1986	44.8 AT 13:00 MST ON JUL 19 *	43.6 ON JUL 19 *	0.2148 ON FEB 13	161 000	1986
				145 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

REITA CREEK NEAR OUTLET OF ANGLING LAKE - STATION NO. 05AD013

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	0.050	0.269	0.155	0.032	0.010	0.002	0.001	0	---	---	---	1981
1982	0	0	0	0.113	0.131	0.098	0.109	0.099	0.042	0.008	0.015	0.022	0.053	1982
1983	0.006	0	0.001	0.170	0.206	0.115	0.135	0.057	0.021	0.004	0.007	0.004	0.062	1983
1984	0	0	0.018	0.209	0.193	0.182	0.039	0.003	0.005	0.014	0.050	0.079	0.065	1984
1985	0.024	0.010	0.078	0.303	0.136	0.008	0.001	0	0.001	0.001	0.041	0.078	0.058	1985
1986	0.103	0.138	0.046	0.080	0.302	0.334	0.213	0.389	0.310	0.075	0.091	0.087	0.179	1986
MEAN	0.029	0.030	0.032	0.187	0.187	0.128	0.085	0.093	0.083	0.017	0.041	0.054	0.084	MEAN

LOCATION - LAT 54 13 45 N, LONG 110 19 45 W DRAINAGE AREA, 161 km^2, NATURAL FLOW

REITA CREEK NEAR OUTLET OF ANGLING LAKE - STATION NO. 05AD013

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	---	0.3028 ON APR 1	0 ON AUG 16 *	---	1981
1982	0.5808 AT 15:41 MST ON APR 21	0.4178 ON APR 20	0 B ON JAN 1	1 880	1982
1983	0.325E AT 10:40 MST ON MAY 19	0.312 ON MAY 19	0 B ON JAN 29	1 840	1983
1984	---	0.2948 ON APR 2	0 B ON JAN 12	2 080	1984
1985	---	0.4088 ON APR 2	0 ON JUL 29	1 820	1985
1986	0.600 AT 21:20 MST ON AUG 14 *	0.595 ON AUG 14 *	0.0098 ON APR 2	5 850	1986
				2 630	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

RENWICK CREEK NEAR THREE HILLS - STATION NO. 05CE011

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	0.890	0.084	0.002	0	0	0	0	---	---	---	1967
1968	---	---	0.020	0.002	0	0	0.012	0.015	0.002	0.004	---	---	0.007	1968
1969	---	---	0	1.00	0.005	0	0.003	0	0.001	0.001	---	---	0.124	1969
1976	---	---	---	---	---	---	0	0.014	0	0	---	---	---	1976
1977	---	---	0.014	0.021	0.034	0.005	0	0	0.001	0.002	---	---	0.010	1977
1978	---	---	0.308	0.076	0.015	0.007	0	0	0.002	0	---	---	0.051	1978
1979	---	---	0.128	0.059	0.012	0	0	0	0	0	---	---	0.025	1979
1980	---	---	0	0.387	0.019	0.139	0.071	0.011	0.001	0	---	---	0.074	1980
1981	---	---	0.041	0.010	0.123	0	0	0.001	0	0	---	---	0.022	1981
1982	---	---	0.050	0.137	0.008	0.002	0.013	0.008	0.001	0.001	---	---	0.032	1982
1983	---	---	0.028	0.020	0.002	0	0.006	0	0	0	---	---	0.007	1983
1984	---	---	0.018	0.001	0.001	0.011	0	0	0	0.003	---	---	0.004	1984
1985	---	---	0.112	0.016	0.001	0	0	0	0	0	---	---	0.016	1985
1986	---	---	0.032	0.001	0.044	0	0.023	0	0.021	0.008	---	---	0.016	1986
MEAN	---	---	0.088	0.184	0.025	0.013	0.009	0.004	0.002	0.001	---	---	0.032	MEAN

LOCATION - LAT 51 43 01 N, LONG 113 21 47 W DRAINAGE AREA, 57.2 km^2, NATURAL FLOW

RENWICK CREEK NEAR THREE HILLS - STATION NO OSCE011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	1.84 B ON APR 15	0 ON JUN 3 *	---	1967
1968	---	0.176 ON AUG 7	0 ON APR 30	148	1968
1969	---	8.87 B ON APR 4 *	0B ON MAR 1	2 630	1969
1970	---	---	0 ON JUL 5	---	1970
1977	0.889 AT 09:25 MST ON MAY 23	0.343 ON MAY 23	0B ON MAR 1	203	1977
1978	5.07 AT 21:00 MST ON MAR 29 *	3.62 ON MAR 29	0B ON MAR 1	1 090	1978
1979	---	1.27 B ON MAR 7	0B ON MAR 1	529	1979
1980	4.47 AT 02:00 MST ON JUN 3	2.08 B ON APR 5	0B ON MAR 1	1 580	1980
1981	4.07 AT 23:15 MST ON MAY 6	2.09 ON MAY 7	0B ON MAR 1	467	1981
1982	---	1.03 B ON MAR 28	0B ON MAR 1	885	1982
1983	---	0.1048 ON MAR 15	0B ON MAR 1	147	1983
1984	---	0.1868 ON MAR 22	0B ON MAR 1	89.9	1984
1985	---	0.5508 ON MAR 18	0B ON MAR 1	345	1985
1986	---	0.374 ON MAY 17	0 ON APR 14	344	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		887	MEAN

RIBSTONE CREEK NEAR CZAR - STATION NO OSFD005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	0.088	0.021	0	0	0	0	0.090	0.054	---	---	0.032	1968
1969	---	---	0	3.09	1.31	0.357	0	0	0	0	---	---	0.588	1969
1970	---	---	0	0.537	0.636	0.254	0.252	0.125	0.008	0	---	---	0.214	1970
1971	---	---	0	1.83	1.74	0.512	0.231	0.073	0.003	0	---	---	0.522	1971
1972	---	---	0.011	0.048	0.009	0.006	0.007	0.013	0	0	---	---	0.012	1972
1973	---	---	0.017	0.081	0.010	0.187	0.460	0.327	0.280	0.057	---	---	0.178	1973
1974	---	---	0	2.80	5.15	1.49	0.685	0.187	0.013	0	---	---	1.42	1974
1975	---	---	0	0.221	2.33	0.881	0.314	0.043	0.002	0	---	---	0.473	1975
1976	---	---	0.018	0.328	0.084	0.082	0.141	0.031	0	0	---	---	0.085	1976
1977	---	---	0	0	0.128	0.006	0	0	0	0	---	---	0.017	1977
1978	---	---	0.006	0.051	0.048	0.006	0	0	0	0	---	---	0.014	1978
1979	---	---	0.052	0.058	0.017	0.003	0.001	0	0	0	---	---	0.017	1979
1980	---	---	0	0.032	0.003	0.003	0.001	0.008	0	0	---	---	0.008	1980
1981	---	---	0.024	0.046	0.003	0.001	0	0.001	0	0	---	---	0.009	1981
1982	---	---	0	0.008	0.004	0	0	0	0	0.001	---	---	0.002	1982
1983	---	---	0.010	0.082	0.003	0.005	0.048	0.007	0.002	0.002	---	---	0.020	1983
1984	---	---	0.047	0.089	0.006	0.027	0.002	0	0	0	---	---	0.019	1984
1985	---	---	0.052	3.14	1.18	0.343	0.095	0.058	0.043	0.020	---	---	0.810	1985
1986	---	---	0.120	0.188	0.054	0.011	0.015	0.039	0.016	0.024	---	---	0.058	1986
MEAN	---	---	0.024	0.880	0.716	0.218	0.118	0.047	0.025	0.008	---	---	0.228	MEAN

LOCATION - LAT 52 29 17 N DRAINAGE AREA, 1 830 km^2
LONG 110 44 15 W NATURAL FLOW

RIBSTONE CREEK NEAR CZAR - STATION NO OSFD005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	0.416 ON SEP 25	0 ON MAR 1 *	888	1968
1969	7.87 AT 07:41 MST ON APR 18	7.84 ON APR 18	0 B ON MAR 1	12 400	1969
1970	1.25 AT 16:23 MST ON APR 25	1.21 ON APR 25	0 B ON MAR 1	4 530	1970
1971	4.83 AT 22:00 MST ON APR 27	4.87 ON APR 26	0 B ON MAR 1	11 100	1971
1972	---	0.078E ON APR 13	0 B ON MAR 1	252	1972
1973	0.728 AT 21:30 MST ON JUL 6	0.722 ON JUL 7	0 B ON MAR 1	3 700	1973
1974	21.9 AT 23:00 MST ON APR 30 *	20.9 ON APR 30 *	0 B ON MAR 1	30 200	1974
1975	3.20 AT 06:30 MST ON MAY 20	3.09 ON MAY 20	0 B ON MAR 1	10 000	1975
1976	0.686 AT 13:30 MST ON APR 26	0.631 ON APR 26	0 B ON MAR 1	1 800	1976
1977	0.433 AT 17:00 MST ON MAY 16	0.382 ON MAY 16	0 B ON MAR 1	353	1977
1978	---	0.088A ON MAY 17	0 B ON MAR 1	288	1978
1979	---	0.186A ON MAR 20	0 E ON MAR 1	350	1979
1980	0.086 AT 14:25 MST ON APR 13	0.0838 ON APR 13	0 B ON MAR 1	120	1980
1981	---	0.0758 ON MAR 18	0 B ON MAR 9	196	1981
1982	---	0.0288 ON APR 19	0 B ON MAR 1	34.0	1982
1983	0.282 AT 16:20 MST ON APR 1	0.268 ON APR 1	0 B ON MAR 1	417	1983
1984	---	0.1998 ON MAR 27	0 B ON MAR 1	383	1984
1985	5.63 AT 14:17 MST ON APR 15	5.51 ON APR 14	0 B ON MAR 1	12 900	1985
1986	0.353 AT 23:41 MST ON MAR 29	0.334 ON MAR 29	0.001 ON JUN 15	1 230	1986
	A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		4 790	MEAN

RIBSTONE CREEK NEAR EDGERTON - STATION NO. 05FD001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1924	---	---	---	---	---	---	---	---	0.172	0.224	---	---	---	1924
1925	---	---	---	1.20	0.816	0.415	0.081	0.043	0.074	0.135	---	---	---	1925
1926	---	---	---	1.17	0.749	0.407	0.027	0.087	0.254	0.258	---	---	---	1926
1927	---	---	0	1.20	3.54	2.56	1.94	1.29	0.975	1.19	---	---	1.59	1927
1928	---	---	0.042	2.80	4.09	1.59	0.707	0.253	0.174	0.180	---	---	1.20	1928
1929	---	---	0.016	0.559	0.848	0.321	0.175	0.020	0.008	0.012	---	---	0.219	1929
1930	---	---	---	0.899	0.382	0.171	0.130	0.190	0.274	0.386	---	---	---	1930
1935	---	---	---	---	---	---	---	---	0	0	---	---	---	1935
1936	---	---	0	1.70	1.86	0.587	---	---	---	---	---	---	---	1936
1982	---	---	0	0.379	0.356	0.107	0.118	0.085	0.038	0.005	---	---	0.136	1982
1983	---	---	0.024	1.68	1.16	0.216	0.127	0.114	0.131	0.253	---	---	0.460	1983
1984	---	---	0	0.549	0.742	0.240	0.002	0.014	0.085	0.046	---	---	0.209	1984
1985	---	---	0	0.894	2.71	2.15	2.00	0.471	0.148	0.072	---	---	1.05	1985
1986	---	---	0.014	1.47	0.929	0.364	0.059	0.064	0.001	0.135	---	---	0.376	1986
1987	---	---	0.028	0.081	1.42	0.891	0.177	0.023	0	0	---	---	0.325	1987
1988	---	---	0.323	1.29	0.811	0.137	0.030	0.103	0.272	0.785	---	---	0.440	1988
1989	---	---	0.403	3.54	3.78	0.838	0.295	0.053	0.094	0.135	---	---	1.14	1989
1970	---	---	0.003	0.286	2.10	0.713	1.35	0.441	0.123	0.084	---	---	0.841	1970
1971	---	---	0.086	0.945	2.32	1.83	1.43	0.382	0.052	0.088	---	---	0.889	1971
1972	---	---	0.115	0.175	0.083	0.431	0.784	0.603	0.319	0.277	---	---	0.348	1972
1973	---	---	0.004	0.174	0.550	1.36	1.74	0.974	0.443	0.188	---	---	0.678	1973
1974	---	---	0.067	0.807	7.19	4.71	1.48	0.338	0.153	0.178	---	---	1.88	1974
1975	---	---	0.087	0.504	0.893	2.34	2.95	0.495	0.088	0.261	---	---	0.949	1975
1976	---	---	0.003	0.385	0.286	0.923	0.919	0.242	0.057	0.048	---	---	0.353	1976
1977	---	---	0	0.130	0.148	0.818	0.333	0.027	0.078	0.120	---	---	0.205	1977
1978	---	---	0.007	0.090	0.110	0.721	0.780	0.130	0.087	0.081	---	---	0.248	1978
1979	---	---	0.010	0.088	0.056	0.580	1.08	0.459	0.079	0.020	---	---	0.295	1979
1980	---	---	0	0.115	0.028	0.536	0.431	0.204	0.083	0.055	---	---	0.181	1980
1981	---	---	0.022	0.055	0.597	1.07	0.222	0.058	0.002	0	---	---	0.252	1981
1982	---	---	0	0.100	0.050	0.528	0.318	0.105	0.011	0.025	---	---	0.141	1982
1983	---	---	0	0.037	0.021	0.462	3.47	1.69	0.036	0.024	---	---	0.723	1983
1984	---	---	0.008	0.129	0.070	1.60	0.736	0.041	0.048	0.039	---	---	0.330	1984
1985	---	---	0.050	1.43	3.75	1.49	0.477	0.175	0.156	0.195	---	---	0.985	1985
1986	---	---	0.110	0.010	0.285	0.336	0.782	0.324	0.077	0.112	---	---	0.255	1986
MEAN	---	---	0.048	0.767	1.32	0.982	0.812	0.305	0.138	0.188	---	---	0.589	MEAN

LOCATION - LAT 52 45 18 N DRAINAGE AREA, 3 130 km²
LONG 110 28 00 W REGULATED

RIBSTONE CREEK NEAR EDGERTON - STATION NO. 05FD001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1924	---	---	---	---	1924
1925	---	1.59 ON APR 11	---	---	1925
1926	---	1.86 B ON APR 13	0 B ON MAR 1 *	---	1926
1927	---	4.02 ON MAY 10	0 B ON MAR 1	33 600	1927
1928	---	5.84 ON APR 26	0 B ON MAR 1	25 500	1928
1929	---	0.928 ON APR 18	0 B ON MAR 1	4 630	1929
1930	---	---	---	---	1930
1935	---	---	0 ON SEP 1	---	1935
1936	---	4.82 E ON APR 15	0 B ON MAR 1	---	1936
1982	---	0.753 ON APR 30	0 ON MAR 1	2 870	1982
1983	---	2.70 ON APR 20	0 B ON MAR 1	8 740	1983
1984	---	0.875 ON MAY 8	0 B ON MAR 1	4 420	1984
1985	---	3.11 ON MAY 18	0 B ON MAR 1	22 300	1985
1986	---	2.04 ON APR 14	0 B ON MAR 1	7 970	1986
1987	---	1.78 ON MAY 8	0 ON AUG 3	5 880	1987
1988	---	1.59 B ON APR 2	0 ON JUL 5	9 320	1988
1989	---	5.99 ON APR 13	0.001 ON AUG 30	24 100	1989
1970	---	9.20 ON MAY 17	0 B ON MAR 1	13 800	1970
1971	---	2.66 ON MAY 28	0.027 ON AUG 31	14 800	1971
1972	---	1.30 ON JUL 5	0 B ON MAR 1	7 330	1972
1973	---	2.78 ON JUN 25	0 B ON MAR 1	14 400	1973
1974	---	24.1 ON MAY 13 *	0.0858 ON MAR 21	39 700	1974
1975	---	9.37 ON JUL 4	0.020 ON SEP 9	20 100	1975
1976	---	3.06 B ON APR 7	0 B ON MAR 1	7 470	1976
1977	---	0.940 ON JUN 15	0 B ON MAR 1	4 330	1977
1978	---	2.36 ON JUN 27	0 B ON MAR 1	5 220	1978
1979	---	3.08 ON JUL 18	0 B ON MAR 1	6 260	1979
1980	---	0.915 ON JUN 13	0 B ON MAR 1	3 630	1980
1981	---	3.86 ON JUN 1	0 B ON MAR 1	5 330	1981
1982	---	1.85 ON JUN 22	0 B ON MAR 1	2 980	1982
1983	---	19.2 ON JUL 28	0 B ON MAR 1	15 300	1983
1984	---	3.92 ON JUN 14	0 B ON MAR 1	6 980	1984
1985	---	6.37 ON MAY 24	0 B ON MAR 1	20 400	1985
1986	---	1.53 ON JUL 4	0 B ON APR 9	5 410	1986
				12 500	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

RIBSTONE CREEK NEAR RIBSTONE - STATION NO. 05FD003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1925	---	---	---	---	1.13	0.786	0.154	0	0	0.340	---	---	---	1925
1926	---	---	0.062	1.35	1.18	0.750	0.171	0	0.083	---	---	---	---	1926
1927	---	---	0	1.52	4.88	3.20	2.80	1.20	1.08	1.85	---	---	2.02	1927
1928	---	---	0.103	2.58	3.96	2.51	0.954	0.280	0.071	0.195	---	---	1.32	1928
1929	---	---	0.019	0.896	0.819	0.391	0.083	0	0	0	---	---	0.274	1929
1930	---	---	---	0.737	0.609	0.615	0.704	0.148	0.382	0.860	---	---	---	1930
1935	---	---	---	---	---	---	---	---	0	0	---	---	---	1935
1936	---	---	0	1.06	1.78	0.808	---	---	---	---	---	---	---	1936
MEAN	---	---	0.037	1.36	2.05	1.31	0.778	0.268	0.225	0.474	---	---	1.20	MEAN

LOCATION - LAT 52 43 20 N DRAINAGE AREA, 3 930 km²
LONG 110 16 00 W NATURAL FLOW

RIBSTONE CREEK NEAR RIBSTONE - STATION NO. 05FD003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1925	---	---	0 ON JUL 22 *	---	1925
1926	---	2.83E ON APR 16	0B ON MAR 1	---	1926
1927	---	7.76 ON MAY 13 *	0 ON MAR 1	42 700	1927
1928	---	4.90 ON MAY 3	0B ON MAR 1	28 000	1928
1929	---	1.53B ON APR 22	0B ON MAR 1	5 790	1929
1930	---	2.15 ON JUL 1	---	---	1930
1935	---	---	0 ON SEP 1	---	1935
1936	---	2.41 ON APR 30	0B ON MAR 1	---	1936
				25 500	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

RIBSTONE CREEK TRIBUTARY NEAR CORONATION - STATION NO. 05FD006

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	---	---	---	---	---	---	---	0	---	---	---	1978
1978	---	---	0.131	0.040	0	0	0	0	0	0	---	---	0.021	1979
1980	---	---	0	0.055	0	0	0	0.010	0	0	---	---	0.008	1980
1981	---	---	0.068	0.030	0.020	0	0	0	0	0	---	---	0.015	1981
1982	---	---	0	0.074	0.005	0.001	0.013	0.001	0	0	---	---	0.012	1982
1983	---	---	0.023	0.009	0.001	0.018	0.024	0	0	0	---	---	0.010	1983
1984	---	---	0.116	0.021	0	0	0	0	0.033	0.004	---	---	0.022	1984
1985	---	---	0.006	0.358	0.011	0.002	0	0	0	0	---	---	0.046	1985
1986	---	---	0.081	0.001	0.003	0	0.009	0.005	0	0.020	---	---	0.012	1986
MEAN	---	---	0.051	0.074	0.005	0.003	0.006	0.002	0.004	0.003	---	---	0.018	MEAN

LOCATION - LAT 52 10 47 N DRAINAGE AREA, 67.8 km²
LONG 111 14 15 W NATURAL FLOW

RIBSTONE CREEK TRIBUTARY NEAR CORONATION - STATION NO. 05FD006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1978	---	---	---	---	1978
1979	---	0.462B ON MAR 13	0B ON MAR 1 *	454	1979
1980	---	0.234 ON APR 5	0B ON MAR 1	189	1980
1981	---	0.284B ON MAR 16	0B ON MAR 1	317	1981
1982	---	0.580B ON APR 14	0B ON MAR 1	244	1982
1983	0.769 AT 15 23 MST ON JUN 19 *	0.369 ON JUN 19	0B ON MAR 1	204	1983
1984	---	0.690B ON MAR 26	0B ON MAR 1	481	1984
1985	---	1.77 B ON APR 3 *	0B ON MAR 1	979	1985
1986	---	0.212B ON MAR 2	0 ON APR 5	261	1986
				388	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

RICHARDSON RIVER NEAR THE MOUTH - STATION NO. 07DD002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	---	---	---	19.7	17.9	14.3	16.6	18.7	17.3	14.9	---	1970
1971	11.1	11.4	11.8	12.4	20.0	15.2	14.9	13.2	13.6	14.3	15.3	11.3	13.7	1971
1972	10.6	10.2	11.5	11.6	24.2	19.8	19.9	16.6	14.9	18.2	17.1	11.8	15.4	1972
1973	12.0	11.4	11.7	19.5	18.7	14.9	18.1	21.8	17.4	17.8	17.1	14.0	16.2	1973
1974	13.6	12.8	13.0	30.3	25.3	24.2	20.4	16.8	15.0	14.5	13.6	13.1	17.7	1974
1975	12.2	10.8	11.3	18.7	20.3	19.2	20.9	19.0	21.4	22.6	17.8	11.3	17.0	1975
1976	11.3	10.5	10.7	25.7	20.2	18.2	16.2	15.5	15.0	16.5	11.1	11.8	15.2	1976
1977	11.9	12.6	13.2	18.2	18.4	17.1	17.2	16.9	16.9	16.4	12.9	11.7	15.2	1977
1978	12.6	10.7	10.4	17.7	23.3	18.2	16.8	17.8	23.7	22.8	16.3	14.3	17.0	1978
1979	13.2	12.7	12.2	15.0	28.9	21.3	17.7	16.4	15.9	16.0	13.3	9.72	16.1	1979
1980	11.6	11.4	12.2	19.4	15.3	13.0	13.7	15.1	16.3	15.9	14.7	11.8	14.2	1980
1981	11.5	11.5	13.8	16.6	22.2	16.3	14.5	11.3	10.6	11.7	10.8	9.21	13.4	1981
1982	8.84	9.03	9.58	13.7	27.7	15.9	12.8	14.1	15.4	14.3	12.5	11.2	13.8	1982
1983	10.9	11.2	11.7	16.7	17.7	16.0	13.6	13.3	13.7	13.9	12.3	10.4	13.4	1983
1984	10.9	11.1	11.6	16.8	14.7	15.1	13.2	13.8	14.6	16.2	13.4	12.7	13.8	1984
1985	12.2	11.8	12.1	17.8	27.5	15.6	13.1	13.1	15.2	15.8	13.4	12.9	15.0	1985
1986	12.9	12.9	14.0	22.1	24.8	20.1	21.8	17.9	16.8	18.8	15.1	13.8	17.4	1986
MEAN	11.7	11.4	11.9	18.3	22.1	17.6	16.5	15.6	16.1	16.5	14.4	12.1	15.3	MEAN

LOCATION - LAT 58 21 48 N
LONG 111 14 14 W
DRAINAGE AREA 2 700 km²
NATURAL FLOW

RICHARDSON RIVER NEAR THE MOUTH - STATION NO. 07DD002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1970	---	---	---	---	1970
1971	---	28.38 ON MAY 2	9.29 ON OCT 30	433 000	1971
1972	---	38.2 ON MAY 6	9.498 ON MAR 9	498 000	1972
1973	30.0 AT 15 00 MST ON AUG 13	28.4 ON AUG 13	11.2 B ON FEB 20	512 000	1973
1974	43.88 AT 11 20 MST ON APR 21 *	41.88 ON APR 21 *	11.7 B ON NOV 13	559 000	1974
1975	27.2 AT 19 00 MST ON APR 28	26.7 ON APR 28	9.918 ON DEC 9	538 000	1975
1976	36.08 AT 12 40 MST ON APR 17	33.4 ON APR 18	10.1 B ON MAR 5	479 000	1976
1977	28.1 AT 00 01 MST ON APR 24	27.0 ON APR 24	10.9 B ON NOV 27	480 000	1977
1978	31.48 AT 12 30 MST ON APR 29	31.48 ON APR 29	9.348 ON MAR 3	538 000	1978
1979	35.0 AT 14 15 MST ON MAY 17	34.9 ON MAY 17	8.808 ON DEC 7 *	506 000	1979
1980	25.88 AT 19 50 MST ON APR 22	25.88 ON APR 22	10.3 B ON JAN 30	449 000	1980
1981	---	37.08 ON MAY 2	8.808 ON DEC 14	431 000	1981
1982	36.4 AT 20 27 MST ON MAY 7	36.2 ON MAY 7	5.948 ON JAN 1	435 000	1982
1983	25.88 AT 23 37 MST ON APR 22	21.38 ON APR 25	10.1 B ON DEC 24	423 000	1983
1984	23.78 AT 01 43 MST ON APR 11	23.38 ON APR 10	10.3 B ON JAN 1	437 000	1984
1985	35.7 AT 23 42 MST ON MAY 5	35.5 ON MAY 5	11.5 B ON MAR 5	474 000	1985
1986	31.1 AT 13 53 MST ON MAY 1	30.7 ON APR 30	12.8 B ON JAN 1	550 000	1986
				483 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ROBERT CREEK NEAR ANZAC - STATION NO. 07CE004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	---	---	0.122	0.190	0.181	0.063	0.052	---	---	---	1982
1983	---	---	0.006	0.181	0.195	0.245	0.096	0.115	0.065	0.061	---	---	0.123	1983
1984	---	---	0.004	0.187	0.212	0.740	0.387	0.058	0.081	0.182	---	---	0.230	1984
1985	---	---	0.044	0.309	1.77	0.295	0.042	0.018	0.075	0.089	---	---	0.332	1985
1986	---	---	0.022	0.259	0.586	0.202	0.470	0.190	0.018	0.048	---	---	0.224	1986
MEAN	---	---	0.019	0.237	0.688	0.321	0.237	0.112	0.081	0.080	---	---	0.227	MEAN

LOCATION - LAT 56 23 01 N
LONG 111 01 42 W
DRAINAGE AREA 54.1 km²
NATURAL FLOW

ROBERT CREEK NEAR ANZAC - STATION NO. 07CE004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1982	---	---	---	---	1982
1983	---	0.873E ON AUG 3	0.0088 ON MAR 1	2 800	1983
1984	---	2.00 E ON JUN 2	0 B ON MAR 1 *	4 880	1984
1985	3.10E AT 19 57 MST ON MAY 5 *	3.05 E ON MAY 5 *	0.003 ON AUG 10	7 020	1985
1986	1.82 AT 22 19 MST ON JUL 18	1.44 ON JUL 19	0 B ON MAR 8	4 740	1986
				4 810	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

ROCKY CREEK NEAR VALLEYVIEW - STATION NO 07GF005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	---	---	0	0.001	0.005	0.004	---	1967
1968	0.005	0.006	0.005	0.024	0.089	0.089	0.016	0.003	0.002	0.002	---	0.005	0.032	1968
1969	0.002	---	0	0.131	0.059	0.011	0.003	0.002	0.004	0.003	---	0.005	0.030	1969
1970	---	---	0.002	0.154	0.092	0.014	0.003	0.001	0.001	0	---	---	0.038	1970
1971	---	---	0.001	0.028	0.019	0.223	0.147	0.006	0.002	0.004	---	---	0.051	1971
1972	---	---	0.009	0.258	0.106	0.050	0.020	0.007	0.005	0.008	---	---	0.046	1972
1973	---	---	0.003	0.158	0.117	0.134	0.021	0.005	0.013	0.023	---	---	0.055	1973
1974	---	---	0.003	0.412	0.240	0.009	0.001	0	0.001	0.001	---	---	0.094	1974
1975	---	---	---	0.032	0.054	0.021	0.011	0.003	0.005	0.007	---	---	0.019	1975
1976	---	---	---	---	0.044	---	---	---	---	---	0.010	---	---	1976
1977	---	---	0.002	0.287	0.217	0.051	0.178	0.015	---	---	---	---	---	1977
1978	---	---	---	---	0.117	0.098	0.008	0	0.024	0.018	---	---	---	1978
1979	---	---	---	---	0.379	0.340	0.044	0.002	0.001	0.001	---	---	---	1979
1980	---	---	---	0.049	0.019	0.072	0.023	0.002	0.012	0.007	---	---	0.026	1980
1981	---	---	---	0.144	---	0.006	0.007	0.001	0.003	0.002	---	---	---	1981
1982	---	---	---	0.005	0.089	0.002	0.023	0.077	0.003	0.002	---	---	0.031	1982
1983	---	---	---	0.014	0.015	0.205	---	0.005	0.002	0.001	---	---	---	1983
1984	---	---	---	0.056	0.284	0.082	0.010	0.010	0.028	0.031	---	---	0.072	1984
1985	---	---	---	0.285	0.045	0.003	0.001	0.010	0.025	0.054	---	---	0.057	1985
1986	---	---	---	0.208	0.189	0.014	0.015	0.004	0.005	0.012	---	---	0.084	1986
MEAN	0.004	0.006	0.003	0.139	0.121	0.080	0.031	0.009	0.008	0.010	0.008	0.005	0.050	MEAN

LOCATION - LAT 54 56 05 N
LONG 117 46 35 W
DRAINAGE AREA, 18.6 km²
NATURAL FLOW

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

ROCKY CREEK NEAR VALLEYVIEW - STATION NO 07GF005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1967	---	---	---	---	1967
1968	0.985 AT 01 10 MST ON JUL 14	0.354 ON JUN 14	0.001 ON AUG 29	595	1968
1969	---	0.4118 ON APR 28	0 ON APR 1	558	1969
1970	0.484 AT 02 00 MST ON APR 22	0.450 ON APR 21	0 ON AUG 11	896	1970
1971	1.51 AT 01 00 MST ON JUN 27	1.09 ON JUN 27	0.0018 ON APR 1	1 130	1971
1972	---	0.9068 ON APR 28	0.003 ON AUG 30	1 220	1972
1973	0.906 AT 06 00 MST ON JUN 11	0.786 ON JUN 11	0.001 ON AUG 9	1 230	1973
1974	1.46 AT 23 00 MST ON APR 23	1.27 ON APR 24	0 ON JUL 27	1 740	1974
1975	---	0.314 ON APR 28	0 A ON APR 2	348	1975
1976	---	1.48 ON JUN 8	---	---	1976
1977	---	1.58 ON APR 9	0.001 ON JUL 2	---	1977
1978	---	1.41 ON APR 26	0 ON JUL 25	---	1978
1979	1.95 AT 13 40 MST ON JUN 14	1.76 ON APR 29 *	0.001 ON AUG 15	---	1979
1980	0.278 AT 10 12 MST ON JUN 6	0.271 ON JUN 6	0 B ON APR 1	483	1980
1981	3.40 AT 13 50 MDT ON MAY 6 *	---	0 ON SEP 18	---	1981
1982	1.59 AT 02 33 MST ON AUG 3	0.720 ON AUG 4	0 ON JUN 24	566	1982
1983	---	---	---	---	1983
1984	2.32 A AT 02 30 MST ON MAY 17	1.50 E ON MAY 17	0 E ON AUG 29	1 330	1984
1985	1.13 AT 23 17 MST ON APR 13	0.994 ON APR 13	0.001 ON JUL 7	1 050	1985
1986	0.788 AT 03 38 MST ON MAY 6	0.592 ON MAY 6	0.002 ON JUL 9	1 180	1986
				934	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ROCKY RIVER AT HAWES - STATION NO 07AA003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1913	---	---	---	---	---	---	---	46.3	18.1	8.04	4.88	3.71	---	1913
1914	2.72	1.85	2.12	5.60	14.3	52.8	60.4	15.4	13.3	11.1	4.51	3.88	15.7	1914
1915	1.58	0.726	2.83	2.87	11.7	37.1	58.3	25.1	14.9	9.41	5.93	1.87	14.4	1915
1916	0.345	0.949	2.09	3.48	9.80	48.1	47.0	34.0	22.2	14.7	9.78	1.87	15.9	1916
1917	1.87	0.819	1.35	1.85	17.7	40.1	39.1	18.1	14.8	11.3	6.49	4.14	13.2	1917
1918	3.14	4.13	4.22	4.17	12.8	84.1	49.0	22.0	12.9	7.08	---	---	---	1918
1919	---	---	---	---	19.6	---	---	---	---	---	---	---	---	1919
MEAN	1.93	1.70	2.52	3.35	13.6	48.4	50.3	28.8	15.7	10.3	5.46	3.81	14.8	MEAN

LOCATION - LAT 53 08 25 N
LONG 117 58 46 W
DRAINAGE AREA, 1 140 km²
NATURAL FLOW

ROCKY RIVER AT HAWES - STATION NO 07AA003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1913	---	---	---	---	1913
1914	---	150 ON JUL 9	1.59 B ON FEB 5	494 000	1914
1915	---	188 E ON JUN 27 *	0.1818 ON FEB 8	455 000	1915
1916	---	103 ON JUN 19	0.1708 ON JAN 26 *	502 000	1916
1917	---	88.5 ON JUL 3	0.8808 ON JAN 31	419 000	1917
1918	---	106 ON JUN 24	2.27 B ON JAN 30	---	1918
1919	---	---	---	---	1919
				467 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ROLLING HILLS CANAL NO 1 SPILL - STATION NO 05BN015

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	---	---	0.195	0.085	0.491	0.334	0.362	0.114	---	---	0.265	1968
1969	---	---	---	---	0.302	0.332	0.356	0.248	0.196	0.192	---	---	0.295	1969
1970	---	---	---	---	0.112	0.205	0.132	0.228	0.251	0.170	---	---	0.183	1970
1971	---	---	---	---	0.207	0.157	0.176	0.314	0.484	0.159	---	---	0.249	1971
1972	---	---	---	---	0.306	0.960	0.536	0.424	0.405	0.210	---	---	0.490	1972
1973	---	---	---	---	0.452	0.327	0.249	0.446	0.167	0.088	---	---	0.281	1973
1974	---	---	---	---	0.024	0.252	0.391	0.945	0.368	0.081	---	---	0.273	1974
1975	---	---	---	---	0.039	0.221	0.535	0.513	0.329	0.846	---	---	0.382	1975
1976	---	---	---	---	0.344	0.675	0.421	0.846	0.339	0.407	---	---	0.472	1976
1977	---	---	---	---	0.591	0.865	0.310	0.145	0.261	0.216	---	---	0.381	1977
1978	---	---	---	---	0.226	0.530	0.585	0.443	0.164	0.191	---	---	0.355	1978
1979	---	---	---	---	0.335	0.537	0.465	0.327	0.869	0.128	---	---	0.409	1979
1980	---	---	---	---	0.576	0.384	0.350	0.306	0.315	0.181	---	---	0.384	1980
1981	---	---	---	---	0.995	0.770	0.931	0.861	0.469	0.262	---	---	0.720	1981
1982	---	---	---	---	0.352	0.592	1.30	0.821	0.626	0.190	---	---	0.648	1982
1983	---	---	---	---	0.585	0.869	1.12	1.36	1.16	0.616	---	---	0.971	1983
1984	---	---	---	---	0.617	1.05	0.969	0.964	0.261	0.200	---	---	0.683	1984
1985	---	---	---	---	0.550	0.864	0.970	0.852	0.182	0.050	---	---	0.570	1985
1986	---	---	---	---	0.847	1.30	0.984	0.671	0.198	0.062	---	---	0.595	1986
MEAN	---	---	---	---	0.396	0.557	0.582	0.557	0.379	0.217	---	---	0.446	MEAN

LOCATION - LAT 50 10 00 N
LONG 111 49 00 W REGULATED

ROLLING HILLS CANAL NO 1 SPILL - STATION NO 05BN015

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	2.15 ON SEP 16	0 ON MAY 2 *	4 210	1968
1969	---	1.18 ON SEP 19	0 E ON SEP 9	4 110	1969
1970	---	0.937 ON AUG 31	0 ON MAY 1	2 900	1970
1971	---	1.07 ON MAY 12	0 ON MAY 1	3 950	1971
1972	---	1.80 ON JUN 13	0.001 ON SEP 6	7 150	1972
1973	---	2.38 ON JUN 15	0 ON JUN 12	4 470	1973
1974	---	1.35 ON AUG 15	0 ON MAY 1	4 350	1974
1975	---	2.15 ON OCT 26	0 ON MAY 3	5 080	1975
1976	---	1.88 ON AUG 18	0 ON MAY 3	7 510	1976
1977	---	2.34 ON JUN 17	0.002 ON OCT 31	6 080	1977
1978	---	1.63 ON AUG 24	0 E ON OCT 29	5 640	1978
1979	---	1.79 ON MAY 27	0 ON OCT 28	5 500	1979
1980	---	1.58 ON JUN 21	0 ON OCT 19	5 790	1980
1981	---	2.25 A ON MAY 16	0 ON OCT 19	11 400	1981
1982	---	4.55 ON JUL 2 *	0 ON MAY 1	10 300	1982
1983	---	2.80 ON JUL 7	0 ON MAY 1	15 400	1983
1984	---	3.18 ON JUN 22	0 ON MAY 1	10 800	1984
1985	---	2.35 ON MAY 27	0 ON MAY 1	9 200	1985
1986	---	3.49 ON JUN 11	0 ON MAY 1	9 340	1985
				7 120	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX) E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ROLLING HILLS CANAL NO 2 SPILL - STATION NO 05BN018

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	0.291	0.269	---	---	---	---	---	---	1966
1968	---	---	---	---	0.172	0.018	0.070	0.224	0.001	0.001	---	---	0.072	1968
1969	---	---	---	---	0.099	0.267	0.308	0.182	0.121	0.105	---	---	0.182	1969
1970	---	---	---	---	0.136	0.062	0.250	0.305	0.418	0.081	---	---	0.205	1970
1971	---	---	---	---	0.115	0.287	0.213	0.200	0	0.026	---	---	0.140	1971
1972	---	---	---	---	0.195	0.282	0.168	0.257	0.194	0.102	---	---	0.199	1972
1973	---	---	---	---	0.293	0.380	0.346	0.607	0.094	0	---	---	0.287	1973
1974	---	---	---	---	0.182	0.238	0.329	0.609	0.222	0.206	---	---	0.298	1974
1975	---	---	---	---	0.020	0.277	0.155	0.283	0.310	0.104	---	---	0.187	1975
1976	---	---	---	---	0.185	0.290	0.204	0.200	0.162	0.322	---	---	0.224	1976
1977	---	---	---	---	0.112	0.225	0.257	0.283	0.073	0.068	---	---	0.167	1977
1978	---	---	---	---	0.121	0.179	0.215	0.262	0.104	0.132	---	---	0.186	1978
1979	---	---	---	---	0.224	0.284	0.352	0.295	0.178	0.135	---	---	0.245	1979
1980	---	---	---	---	0.248	0.180	0.541	0.383	0.158	0.051	---	---	0.261	1980
1981	---	---	---	---	0.485	0.382	0.505	0.443	0.247	0.140	---	---	0.384	1981
1982	---	---	---	---	0.288	0.311	0.456	0.511	0.289	0.179	---	---	0.328	1982
1983	---	---	---	---	0.158	0.388	0.452	0.440	0.376	0.142	---	---	0.325	1983
1984	---	---	---	---	0.262	0.318	0.384	0.356	0.177	0.077	---	---	0.268	1984
1985	---	---	---	---	0.133	0.413	0.344	0.328	0.036	0.030	---	---	0.216	1985
1986	---	---	---	---	0.203	0.282	0.248	0.207	0.158	0.017	---	---	0.182	1986
MEAN	---	---	---	---	0.187	0.267	0.308	0.334	0.173	0.100	---	---	0.228	MEAN

LOCATION - LAT 50 06 59 N
LONG 111 41 04 W REGULATED

ROLLING HILLS CANAL NO 2 SPILL STATION NO 05BN019

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	---	---	---	1965
1966	---	1 26 ON AUG 11	0 ON MAY 1 *	1 140	1966
1969	---	0 753 ON JUL 3	0 ON MAY 1	2 890	1969
1970	---	0 753 ON SEP 1	0 ON MAY 1	3 280	1970
1971	---	1 00 ON JUN 1	0 ON MAY 1	2 230	1971
1972	---	0 558 ON AUG 21	0 ON MAY 1	3 170	1972
1973	---	1 18 ON AUG 8	0 ON MAY 1	4 570	1973
1974	---	1 12 ON AUG 12	0 ON OCT 21	4 740	1974
1975	---	1 28 ON JUN 17	0 ON OCT 28	2 970	1975
1976	---	1 06 ON OCT 19	0 ON MAY 3	3 560	1976
1977	---	0 558 ON JUL 31	0 ON MAY 14	2 650	1977
1978	---	0 855 ON JUL 30	0 ON SEP 25	2 950	1978
1979	---	0 716 ON JUL 4	0 ON MAY 2	3 890	1979
1980	---	1 18 ON JUL 23	0 ON MAY 1	4 180	1980
1981	---	1 53 ON JUN 14 *	0 001 ON MAY 21	5 790	1981
1982	---	1 10 ON MAY 8	0 ON MAY 1	5 380	1982
1983	---	1 04 ON AUG 14	0 ON MAY 8	5 170	1983
1984	---	1 05 ON MAY 4	0 ON MAY 1	4 120	1984
1985	---	0 817 ON AUG 12	0 ON MAY 1	3 400	1985
1986	---	0 905 ON MAY 14	0 ON MAY 1	2 900	1986
		* EXTREME RECORDED FOR THE PERIOD OF RECORD		3 830	MEAN

ROLPH CREEK AT VAUGHN RANCH - STATION NO 05AE017

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1920	---	---	---	---	---	0 281	0 141	0 157	0 043	0 012	---	---	---	1920
1921	---	---	---	0 335	0 286	0 135	0 099	0 079	0 018	0 018	---	---	---	1921
1922	---	---	---	0 459	0 280	0 131	0 148	0 080	0 080	0 051	---	---	---	1922
1923	---	---	---	---	0 157	0 374	0 189	0 137	0 068	0 045	---	---	---	1923
1924	---	---	0	0 237	0 105	0 348	0 084	0 139	0 075	0 029	---	---	0 130	1924
1925	---	---	0 118	1 00	0 433	0 154	0 225	0 201	0 109	0 159	---	---	0 298	1925
1926	---	---	---	---	0 077	0 109	0 127	0 070	0 178	0 038	---	---	---	1926
1927	---	---	---	---	---	---	0 336	0 386	0 500	0 344	---	---	---	1927
1928	---	---	---	---	---	0 484	0 882	0 383	0 200	0 181	---	---	---	1928
1929	---	---	---	---	0 486	0 488	0 211	0 123	0 098	0 105	---	---	---	1929
1930	---	---	---	---	0 316	0 177	0 175	0 155	0 138	0 081	---	---	---	1930
MEAN	---	---	0 090	0 508	0 263	0 285	0 220	0 174	0 135	0 093	---	---	0 214	MEAN

LOCATION - LAT 49 00 15 N DRAINAGE AREA 86 5 km^2
LONG 113 09 30 W NATURAL FLOW

ROLPH CREEK AT VAUGHN RANCH - STATION NO 05AE017

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1920	---	---	---	---	1920
1921	0 66 AT 13 30 MST ON APR 11	0 793 ON APR 11	0E ON JUL 22 *	---	1921
1922	---	1 18 B ON APR 28	---	---	1922
1923	---	1 45 ON JUN 22	---	---	1923
1924	0 87 AT 08 00 MST ON JUN 8	1 78 ON JUN 8	0E ON MAR 1	2 750	1924
1925	2 10 AT 10 00 MST ON APR 23 *	1 67 ON APR 13	0E ON MAR 1	5 320	1925
1926	---	0 232 ON JUL 13	---	---	1926
1927	---	2 41 ON SEP 14 *	---	---	1927
1928	---	2 18 ON JUL 1	---	---	1928
1929	---	1 41 ON JUN 3	---	---	1929
1930	---	0 830 ON APR 30	---	---	1930
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		4 540	MEAN

ROLPH CREEK NEAR KIMBALL - STATION NO. 05AE005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	***	***	***	***	***	0.649	0.054	0.070	0.227	0.134	***	***	***	1911
1912	***	***	***	***	0.315	0.057	0.166	0.646	0.036	0.111	***	***	***	1912
1913	***	***	***	***	0.464	0.155	0.181	0.071	0.019	***	***	***	***	1913
1914	***	***	***	0.517	0.118	0.002	0.003	0.018	0.010	0.325	***	***	***	1914
1915	***	***	***	0.274	0.333	2.32	1.13	0.891	0.675	0.461	***	***	***	1915
1916	***	***	***	0.561	0.881	1.63	0.544	0.380	0.481	0.325	***	***	***	1916
1936	***	***	0.313	0.712	0.054	0.030	0	0.021	0.001	0.017	***	***	0.142	1936
1937	***	***	0.029	0.320	0.111	0.726	0.007	0.003	0.056	0.056	***	***	0.155	1937
1938	***	***	0.376	0.690	0.525	0.072	0.097	0.091	0.041	0.023	***	***	0.239	1938
1939	***	***	0.172	0.091	0.030	0.121	0.009	0	0.001	0.010	***	***	0.054	1939
1940	***	***	0.246	0.247	0.118	0.058	0.050	0.028	0.025	0.027	***	***	0.100	1940
1941	***	***	0.102	0.042	0.036	0.106	0.043	0.040	0.055	0.030	***	***	0.057	1941
1942	***	***	0.035	0.220	0.267	0.349	0.136	0.255	0.134	0.075	***	***	0.183	1942
1943	***	***	0.832	0.823	0.567	0.527	0.093	0.056	0.085	0.052	***	***	0.388	1943
1944	***	***	0.070	0.198	0.139	0.155	0.039	0.037	0.031	0.034	***	***	0.087	1944
1945	***	***	0.075	0.025	0.115	0.380	0.075	0.049	0.098	0.052	***	***	0.108	1945
1946	***	0.036	0.282	0.121	0.090	0.072	0.070	0.029	0.085	0.135	***	***	0.112	1946
1947	***	0.145	2.32	0.854	0.251	0.167	0.079	0.091	0.153	0.095	***	***	0.478	1947
1948	***	***	0.251	2.00	1.10	3.57	0.481	0.267	0.112	0.093	***	***	0.973	1948
1949	***	***	0.275	0.428	0.548	0.271	0.111	0.091	0.129	0.175	***	***	0.253	1949
1950	***	***	0.195	0.901	0.646	0.292	0.222	0.101	0.095	0.121	***	***	0.320	1950
1951	***	***	1.23	1.17	1.33	2.63	1.39	0.544	1.17	0.886	***	***	1.26	1951
1952	***	***	1.05	2.38	0.469	0.219	0.224	0.227	0.229	0.200	***	***	0.621	1952
1953	***	***	0.541	1.88	1.04	6.68	0.287	0.170	0.150	0.151	***	***	1.34	1953
1954	***	0.323	0.267	1.84	0.790	0.327	0.045	0.134	0.217	0.162	***	***	0.489	1954
1955	***	***	0.096	2.23	2.20	0.386	0.301	0.106	0.138	0.083	***	***	0.687	1955
1956	***	***	0.801	0.480	0.370	0.199	0.532	0.171	0.136	0.119	***	***	0.349	1956
1957	***	0.040	0.624	0.513	0.396	0.167	0.045	0.063	0.051	0.073	***	***	0.244	1957
1958	***	***	0.563	1.79	0.276	0.284	0.291	0.306	0.139	0.049	***	***	0.459	1958
1959	***	***	0.889	1.21	0.540	0.139	0.059	0.107	0.123	0.123	***	***	0.372	1959
1960	***	***	1.55	0.353	0.474	0.122	0.038	0.140	0.094	0.023	***	***	0.351	1960
1961	***	***	0.115	0.121	0.448	0.052	0.015	0.014	0.075	0.088	***	***	0.114	1961
1962	***	***	0.839	0.389	0.134	0.068	0.018	0.067	0.106	0.011	***	***	0.204	1962
1963	***	***	0.065	0.044	0.007	0.132	0.083	0.053	0.075	0.043	***	***	0.062	1963
1964	***	***	0.047	0.391	1.44	1.70	0.158	0.083	0.218	0.138	***	***	0.519	1964
1965	***	***	0.841	3.00	0.345	0.858	0.346	0.149	0.260	0.112	***	***	0.731	1965
1966	***	***	0.864	0.401	0.243	1.31	0.388	0.185	0.135	0.147	***	***	0.455	1966
1967	***	***	1.59	0.678	2.43	1.39	0.245	0.160	0.149	0.120	***	***	0.847	1967
1968	***	***	0.404	0.263	0.557	0.440	0.110	0.190	0.861	0.361	***	***	0.372	1968
1969	***	***	1.50	1.80	0.225	0.958	0.865	0.088	0.090	0.068	***	***	0.671	1969
1970	***	***	0.162	0.389	0.312	0.335	0.091	0.081	0.093	0.048	***	***	0.189	1970
1971	***	***	0.287	0.798	0.478	0.341	0.111	0.057	0.081	0.080	***	***	0.275	1971
1972	***	***	2.96	0.752	0.480	0.247	0.185	0.163	0.180	0.145	***	***	0.637	1972
1973	***	***	0.308	0.215	0.141	0.123	0.040	0.018	0.085	0.005	***	***	0.114	1973
1974	***	***	0.245	0.486	0.668	0.141	0.041	0.098	0.117	0.044	***	***	0.230	1974
1975	***	***	0	1.42	2.76	1.48	0.171	0.188	0.161	0.136	***	***	0.774	1975
1976	***	***	0.732	0.395	0.478	0.280	0.084	0.147	0.075	0.057	***	***	0.279	1976
1977	***	***	0.069	0.202	0.092	0.076	0.045	0.047	0.045	0.024	***	***	0.075	1977
1978	***	***	0.845	0.277	0.183	0.212	0.139	0.185	0.479	0.034	***	***	0.284	1978
1979	***	***	1.36	1.36	0.807	0.183	0.095	0.084	0.056	0.015	***	***	0.485	1979
1980	***	***	0.142	0.493	0.510	0.359	0.101	0.132	0.163	0.048	***	***	0.242	1980
1981	***	***	0.355	0.256	0.914	0.754	0.207	0.120	0.079	0.092	***	***	0.347	1981
1982	***	***	0.042	1.71	0.240	0.201	0.127	0.008	0	0.012	***	***	0.289	1982
1983	***	***	0.102	0.140	0.114	0.055	0.098	0.087	0.029	0.011	***	***	0.077	1983
1984	***	***	0.097	0.141	0.085	0.071	0.021	0.039	0.002	0.014	***	***	0.056	1984
1985	***	***	0.243	0.233	0.138	0.147	0.030	0.014	0.223	0.154	***	***	0.147	1985
1986	***	***	0.546	0.118	0.176	0.075	0.045	0.047	0.104	0.100	***	***	0.152	1986
MEAN	***	0.136	0.546	0.725	0.517	0.510	0.182	0.124	0.151	0.108	***	***	0.362	MEAN

LOCATION - LAT 49 07 30 N DRAINAGE AREA 221 km²
LONG 113 08 30 W NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1973 AND 1986

ROLPH CREEK NEAR KIMBALL - STATION NO 05AE005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	---	---	1911
1912	---	---	0 ON JUL 6 *	---	1912
1913	---	---	0 ON JUL 23	---	1913
1914	---	---	0 ON MAY 30	---	1914
1915	---	5.95 ON JUN 25	---	---	1915
1916	---	4.55 ON JUN 30	---	---	1916
1936	6.09 B ON APR 10	3.77 B ON APR 10	0 ON JUN 25	3 020	1936
1937	---	5.81 ON JUN 13	0 B ON MAR 1	3 280	1937
1938	3.88 B ON MAR 15	2.01 ON APR 10	0 ON SEP 29	5 970	1938
1939	0.8218 AT 07 00 MST ON MAR 22	0.6778 ON MAR 24	0 B ON MAR 1	1 140	1939
1940	1.47 B AT 21 00 MST ON MAR 28	1.30 B ON MAR 28	0 B ON MAR 1	2 110	1940
1941	---	0.3408 ON MAR 8	0.006 ON JUL 22	1 200	1941
1942	1.05 AT 07 00 MST ON JUN 6	1.04 ON JUN 6	0 B ON MAR 1	3 880	1942
1943	12.7 ON MAR 28	8.69 ON MAR 28	0 0288 ON MAR 4	8 230	1943
1944	0.535 AT 19 00 MST ON APR 3	0.458 ON APR 3	0 B ON MAR 1	1 850	1944
1945	---	0.676 ON JUN 8	0 B ON MAR 1	2 280	1945
1946	0.9639 AT 18 00 MST ON MAR 12	0.7388 ON MAR 12	0.008 ON AUG 9	2 370	1946
1947	---	7.08 B ON MAR 19	0 B ON MAR 5	10 100	1947
1948	26.8 AT 20 00 MST ON JUN 17	14.6 ON JUN 17	0 0288 ON MAR 1	20 800	1948
1949	1.84 AT 18 00 MST ON MAY 23	1.61 ON MAY 23	0 B ON MAR 1	5 380	1949
1950	---	3.43 B ON APR 1	0 0288 ON MAR 1	5 780	1950
1951	20.3 AT 18 00 MST ON JUN 24	12.9 ON JUN 24	0 0148 ON MAR 1	26 700	1951
1952	---	8.27 B ON MAR 30	0 014 ON MAR 1	13 200	1952
1953	35.5 AT 18 00 MST ON JUN 3 *	27.2 E ON JUN 9 *	0 0578 ON MAR 10	26 400	1953
1954	6.17 B AT 18 00 MST ON APR 8	4.98 B ON APR 8	0 B ON MAR 1	8 830	1954
1955	14.3 AT 18 00 MST ON MAY 19	12.5 ON MAY 20	0 B ON MAR 1	14 800	1955
1956	5.04 AT 18 00 MST ON JUL 3	3.57 ON JUL 8	0 B ON MAR 1	7 390	1956
1957	1.70 B AT 18 00 MST ON MAR 13	1.44 B ON MAR 13	0 011 ON SEP 25	5 180	1957
1958	6.83 B AT 23 00 MST ON APR 1	4.47 B ON APR 1	0 0288 ON MAR 17	9 720	1958
1959	7.70 B AT 06 00 MST ON MAR 26	4.53 B ON MAR 26	0 031 ON JUL 18	7 670	1959
1960	---	9.00 B ON MAR 20	0.017 ON OCT 9	7 440	1960
1961	---	1.67 ON MAY 11	0 ON JUL 2	2 410	1961
1962	---	2.82 B ON MAR 21	0 B ON MAR 1	4 330	1962
1963	---	0.504 ON JUN 25	0 ON MAY 21	1 320	1963
1964	17.8 AT 18 00 MST ON JUN 8	7.50 ON JUN 8	0 0068 ON MAR 1	11 000	1964
1965	---	8.55 B ON APR 5	0 0318 ON MAR 18	15 500	1965
1966	---	5.78 A ON JUN 5	0 0178 ON MAR 1	9 820	1966
1967	---	9.46 B ON MAR 23	0 076 ON AUG 26	17 800	1967
1968	3.46 AT 24 00 MST ON SEP 26	2.38 ON SEP 27	0 022 ON JUL 18	7 880	1968
1969	18.1 AT 22 30 MST ON MAR 31	9.00 ON APR 1	0 025 ON OCT 30	14 200	1969
1970	2.15 AT 14 33 MST ON JUN 17	1.80 ON JUN 17	0 021 ON OCT 4	4 000	1970
1971	---	2.36 B ON MAR 30	0 0218 ON OCT 28	5 830	1971
1972	13.3 AT 07 15 MST ON MAR 15	12.6 ON MAR 15	0 B ON MAR 1	13 500	1972
1973	---	0.8548 ON MAR 1	0 ON AUG 28	2 400	1973
1974	3.51 AT 05 25 MST ON MAY 1	2.83 ON MAY 1	0 ON AUG 4	4 870	1974
1975	15.4 AT 01 30 MST ON APR 29	10.1 ON APR 29	0 B ON MAR 1	15 400	1975
1976	10.8 B AT 23 30 MST ON MAR 17	4.05 B ON MAR 17	0 0378 ON MAR 7	6 900	1976
1977	1.50 B AT 17 55 MST ON APR 3	1.13 ON APR 9	0 ON JUL 24	1 580	1977
1978	---	5.21 B ON MAR 26	0 B ON MAR 1	8 220	1978
1979	4.80 AT 00 15 MST ON APR 10	3.64 B ON MAR 16	0 B ON MAR 1	10 500	1979
1980	5.55 AT 19 40 MST ON MAY 25	4.09 ON MAY 25	0 0218 ON MAR 5	5 140	1980
1981	9.33 AT 11 05 MST ON JUN 14	5.88 ON JUN 14	0 0308 ON MAR 19	7 340	1981
1982	---	9.50 B ON APR 14	0 B ON MAR 1	8 110	1982
1983	0.222 AT 23 10 MST ON APR 29	0.217 ON APR 30	0 ON SEP 25	1 630	1983
1984	---	0.2608 ON MAR 23	0 B ON MAR 3	1 180	1984
1985	2.72 B AT 02 15 MST ON MAR 31	1.83 B ON MAR 30	0 B ON MAR 1	3 110	1985
1986	---	3.46 ON MAR 1	0 032 ON AUG 31	3 220	1986
MEAN				7 880	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ROLPH CREEK NEAR TAYLORVILLE - STATION NO 05AE020

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1917	---	---	---	---	---	---	---	0.283	0.306	0.090	0.180	---	---	1917
1918	---	---	---	---	0.180	0.136	0.175	0.235	0.188	0.032	---	---	---	1918
1919	---	---	---	0.200	0.251	0.094	0.037	0.069	0.021	0.037	---	---	---	1919
1920	---	---	---	0.594	1.03	0.182	0.085	0.108	0.056	0.015	---	---	---	1920
MEAN	---	---	---	0.597	0.480	0.131	0.087	0.171	0.140	0.044	0.180	---	---	MEAN

LOCATION - LAT 49 02 45 N, LONG 113 05 50 W
DRAINAGE AREA 115 km^2
NATURAL FLOW

ROLPH CREEK NEAR TAYLORVILLE - STATION NO 05AE020

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1917	---	---	---	---	1917
1918	---	---	---	---	1918
1919	---	0.6518 ON APR 1	0.08 ON MAR 28 *	---	1919
1920	---	2.66 B ON APR 16 *	---	---	1920
MEAN				---	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ROMEO CREEK ABOVE ROMEO LAKE - STATION NO 07BB903

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1979	---	---	---	---	1.16	1.10	1.39	0.012	0.005	0.001	---	---	---	1979
1980	---	---	---	1.75	---	---	0.172	0.131	0.042	---	---	---	---	1980
1981	---	---	---	0.531	0.136	0.038	0	0.001	0	0	---	---	---	1981
1982	---	---	---	3.91	0.538	0.020	0.138	0.020	0	0	---	---	---	1982
1983	---	---	0.001	0.549	0.003	0.306	0.586	0	0	0	---	---	0.179	1983
1984	---	---	---	0.089	0.193	0.892	0.037	0.002	0.002	0	---	---	---	1984
1985	---	---	0.694	1.08	0.126	0.501	0.031	0	0.001	0	---	---	0.302	1985
1986	---	---	1.36	1.12	0.881	0.065	0.268	0.017	0.003	0.026	---	---	0.441	1986
MEAN	---	---	0.685	1.14	0.406	0.415	0.328	0.023	0.007	0.004	---	---	0.307	MEAN

LOCATION - LAT 54 04 20 N
LONG 114 54 05 W
DRAINAGE AREA 114 km²
NATURAL FLOW
DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

ROMEO CREEK ABOVE ROMEO LAKE - STATION NO 07BB903

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1979	---	5.02 ON JUL 13	0 ON JUL 27 *	---	1979
1980	---	5.44E ON APR 6	0 ON MAY 20	---	1980
1981	---	2.89E ON MAR 17	0 ON JUN 30	---	1981
1982	18.0 AT 12 00 MST ON APR 24 *	15.8 ON APR 24 *	0E ON APR 1	---	1982
1983	2.32 AT 14 30 MST ON JUL 10	2.23 ON JUL 10	0E ON MAR 1	3 790	1983
1984	4.84 AT 18 14 MST ON JUN 8	4.61 ON JUN 8	0 ON JUL 22	---	1984
1985	4.46 AT 23 44 MST ON JUN 25	3.83 ON JUN 26	0E ON MAR 1	6 390	1985
1986	3.87 AT 15 17 MST ON MAR 23	3.27E ON MAR 23	0 ON JUN 13	9 330	1986
				6 500	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ROYALANE WASTEWAY NEAR HAYS - STATION NO 05BN007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1957	---	---	---	---	0.454	0.920	0.641	0.502	0.575	1.32	---	---	0.735	1957
1958	---	---	---	---	0.300	1.01	1.38	1.14	0.801	1.12	---	---	0.927	1958
1959	---	---	---	---	0.522	1.41	0.563	0.962	1.05	0.773	---	---	0.877	1959
1960	---	---	---	---	0.315	0.518	1.05	1.07	2.30	0.970	---	---	1.03	1960
1961	---	---	---	---	0.707	1.48	0.837	0.611	0.578	0.487	---	---	0.776	1961
1962	---	---	---	---	0.577	1.12	0.818	0.902	1.00	0.656	---	---	0.844	1962
1963	---	---	---	---	0.838	0.782	0.689	1.02	0.607	0.408	---	---	0.726	1963
1984	---	---	---	---	0.218	1.19	1.19	1.44	0.854	0.625	---	---	0.919	1984
1985	---	---	---	---	0.015	1.38	0.931	0.852	1.00	0.973	---	---	0.852	1985
1986	---	---	---	---	0.082	1.57	2.09	2.14	1.84	1.35	---	---	1.53	1986
1987	---	---	---	---	0.093	1.21	0.956	1.66	1.05	0.302	---	---	0.877	1987
1988	---	---	---	---	0.838	1.26	1.03	0.992	0.944	0.377	---	---	0.916	1988
1989	---	---	---	---	0.212	1.02	0.490	1.05	1.10	0.458	---	---	0.728	1989
1970	---	---	---	---	0.959	0.991	1.23	0.777	0.956	0.471	---	---	0.829	1970
1971	---	---	---	0	0.250	0.854	0.630	0.587	0.402	0.281	0.023	---	0.499	1971
1972	---	---	---	---	0.446	0.871	0.811	0.446	0.857	0.579	---	---	0.632	1972
1973	---	---	---	---	0.834	1.19	0.956	0.706	0.178	0.177	---	---	0.674	1973
1974	---	---	---	---	0.329	0.595	0.812	0.896	0.887	0.430	0.075	---	0.641	1974
1975	---	---	---	---	0.372	1.24	1.35	1.58	1.05	0.846	---	---	1.04	1975
1976	---	---	---	---	0.887	0.884	1.03	0.938	0.855	0.428	0.117	---	0.784	1976
1977	---	---	---	---	0.513	0.513	0.736	0.576	0.811	0.702	0.501	---	0.858	1977
1978	---	---	---	---	0.003	0.436	0.510	0.551	1.05	2.91	---	---	0.853	1978
1979	---	---	---	---	0.086	1.10	0.722	0.961	0.285	0.152	---	---	0.482	1979
1980	---	---	---	---	0.488	0.549	0.479	0.690	0.275	0.295	0.066	---	0.480	1980
1981	---	---	---	---	0.381	1.14	0.875	0.749	0.836	0.707	---	---	0.714	1981
1982	---	---	---	---	0.785	1.35	0.904	1.11	0.895	1.56	0.357	---	1.07	1982
1983	---	---	---	---	0.934	0.765	1.27	0.983	0.551	0.255	---	---	0.794	1983
1984	---	---	---	---	0.152	0.415	0.255	0.268	0.277	0.087	---	---	0.241	1984
1985	---	---	---	---	0.311	0.530	0.270	0.258	0.216	0.149	---	---	0.288	1985
1986	---	---	---	---	0.201	0.346	0.484	0.257	0.272	0.282	---	---	0.300	1986
MEAN	---	---	---	0	0.423	0.957	0.851	0.879	0.786	0.650	0.194	---	0.757	MEAN

LOCATION - LAT 50 02 40 N
LONG 111 35 00 W
REGULATED

RONALANE WASTEWAY NEAR HAYS - STATION NO 05BN007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1957	---	2.75 ON OCT 1	0 ON MAY 1 *	11 700	1957
1958	---	3.05 ON OCT 23	0 ON MAY 1	14 600	1958
1959	---	3.20 ON MAY 27	0 ON MAY 1	14 000	1959
1960	---	4.90 ON SEP 20	0 ON MAY 1	16 400	1960
1961	---	4.45 ON JUN 28	0 ON MAY 1	12 300	1961
1962	---	6.29 ON JUL 14 *	0 ON MAY 1	13 400	1962
1963	---	4.86 ON JUN 23	0 ON MAY 1	11 500	1963
1964	---	2.76 ON JUN 15	0 ON MAY 1	14 600	1964
1965	---	3.40 ON JUN 24	0 A ON MAY 7	13 600	1965
1966	---	3.34 ON JUL 31	0 ON MAY 1	24 300	1966
1967	---	3.65 ON AUG 2	0 E ON MAY 1	13 800	1967
1968	---	2.47 ON MAY 15	0 ON MAY 1	14 600	1968
1969	---	2.06 ON JUN 10	0 ON MAY 1	11 600	1969
1970	---	3.23 ON JUN 14	0 E ON MAY 1	13 200	1970
1971	---	1.85 ON JUN 13	0 ON MAY 1	7 830	1971
1972	---	1.70 ON MAY 24	0.048 ON AUG 25	10 100	1972
1973	---	2.86 ON JUN 16	0 ON MAY 1	10 700	1973
1974	---	1.97 ON JUL 4	0 ON MAY 3	10 200	1974
1975	---	2.92 ON JUL 10	0.089 ON MAY 18	16 500	1975
1976	---	2.38 ON JUL 16	0 ON MAY 1	12 200	1976
1977	---	1.89 ON OCT 27	0 ON MAY 1	10 500	1977
1978	---	3.28 ON OCT 23	0 ON MAY 5	13 500	1978
1979	---	1.86 ON MAY 31	0 ON MAY 1	7 880	1979
1980	---	1.31 ON MAY 25	0 ON MAY 1	7 620	1980
1981	---	2.72 ON JUN 18	0.031 ON MAY 1	11 400	1981
1982	---	3.52 ON OCT 28	0 ON MAY 1	17 000	1982
1983	---	3.59 ON MAY 27	0 ON MAY 1	12 600	1983
1984	---	1.65 ON JUN 23	0 ON MAY 1	3 840	1984
1985	---	1.85 ON MAY 22	0 ON MAY 1	4 580	1985
1986	---	0.774 ON JUL 20	0 ON MAY 1	4 770	1986
				12 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ROSE CREEK NEAR ALDER FLATS - STATION NO 05DE007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	0.268	2.69	2.01	6.91	1.37	0.386	0.228	0.833	---	---	1.78	1972
1973	---	---	0.194	9.45	5.16	1.39	2.00	2.49	0.486	0.487	---	---	2.69	1973
1974	---	---	0.161	14.6	11.9	2.39	4.48	0.436	0.448	0.287	---	---	4.32	1974
1975	---	---	0.135	1.95	1.92	1.02	0.802	0.173	0.294	0.100	---	---	0.785	1975
1976	---	---	0.180	1.33	0.438	0.498	0.811	3.52	0.599	0.281	---	---	0.931	1976
1977	---	---	0.158	1.62	14.2	2.88	0.482	0.769	1.89	0.872	---	---	2.88	1977
1978	---	---	0.843	3.81	6.02	5.92	0.859	0.205	1.04	0.580	---	---	2.34	1978
1979	---	---	0.297	2.25	1.46	0.874	1.09	0.429	0.178	0.288	---	---	0.854	1979
1980	---	---	0.117	6.25	6.19	23.2	9.30	2.73	5.49	1.81	---	---	8.80	1980
1981	---	---	0.954	1.85	11.3	3.41	7.22	2.18	0.152	0.315	---	---	3.41	1981
1982	---	---	0.119	3.23	3.11	1.27	16.0	0.844	0.802	2.38	---	---	3.50	1982
1983	---	---	0.709	4.84	3.29	1.01	4.01	0.207	0.085	0.172	---	---	1.78	1983
1984	---	---	0.487	0.686	2.33	2.04	0.113	0.033	0.739	0.501	---	---	0.683	1984
1985	---	---	0.109	5.10	3.08	0.814	0.086	0.303	3.08	0.922	---	---	1.87	1985
1986	---	---	0.874	0.802	9.58	0.780	19.1	1.36	1.50	2.76	---	---	4.84	1986
MEAN	---	---	0.359	4.00	5.47	3.84	4.45	1.08	1.14	0.813	---	---	2.62	MEAN

LOCATION - LAT 52 55 48 N LONG 115 00 38 W DRAINAGE AREA 551 km^2 NATURAL FLOW

ROSE CREEK NEAR ALDER FLATS - STATION NO 05DE007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	50.4 ON JUN 26	0.0428 ON MAR 1	38 000	1972
1973	---	18.8 ON APR 30	0.1278 ON MAR 14	57 000	1973
1974	---	39.9 ON APR 26	0.1138 ON MAR 13	91 400	1974
1975	---	6.098 ON APR 23	0.059 ON OCT 6	16 800	1975
1976	---	13.3 ON AUG 10	0.0688 ON APR 3	19 700	1976
1977	---	41.9 ON MAY 29	0.1508 ON MAR 9	61 100	1977
1978	---	22.1 ON MAY 31	0.0868 ON MAR 1	49 600	1978
1979	---	7.648 ON APR 26	0.0888 ON MAR 1	18 100	1979
1980	---	105 ON JUN 5	0.0698 ON MAR 1	144 000	1980
1981	71.8 AT 03 15 MST ON MAY 8	64.8 ON MAY 8	0.077 ON SEP 19	72 300	1981
1982	106 AT 22 00 MST ON JUL 5	97.0 ON JUL 5	0.0888 ON MAR 17	74 100	1982
1983	30.8 AT 20 30 MST ON APR 25	22.0 ON APR 25	0.086 ON SEP 7	37 300	1983
1984	8.74 AT 22 00 MST ON JUN 9	8.11 ON JUN 10	0.016 ON AUG 29	18 300	1984
1985	25.8 AT 17 05 MST ON SEP 13	20.5 ON SEP 13	0.0108 ON MAR 12 *	35 400	1985
1986	276 AT 19 25 MST ON JUL 18 *	228 A ON JUL 18 *	0.2228 ON APR 7	98 300	1986
				55 400	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ROSEBUD RIVER AT BEYNON - STATION NO. 05CE003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1922	---	---	---	5.27	2.58	4.87	8.34	7.81	5.38	1.85	---	---	---	1922
1923	---	---	0.676	1.37	2.47	5.01	2.80	2.47	1.90	0.593	---	---	2.29	1923
1924	---	---	0.333	1.71	2.17	3.78	2.37	3.70	2.34	2.10	---	---	2.29	1924
1925	---	---	10.1	16.2	3.35	4.00	2.42	2.48	3.63	1.88	---	---	5.45	1925
1926	---	---	5.62	1.26	2.28	5.47	3.21	3.82	5.54	1.89	---	---	3.80	1926
1927	---	---	13.5	8.89	2.08	2.32	3.45	2.38	3.80	1.57	---	---	4.75	1927
1928	---	---	14.1	3.15	2.45	10.1	3.92	1.88	2.81	0.813	---	---	4.90	1928
1929	---	---	0.312	0.729	2.24	2.38	3.86	4.98	2.28	1.70	---	---	2.31	1929
1930	---	2.83	1.76	1.10	1.72	5.34	4.81	4.85	4.98	5.10	---	---	3.71	1930
1931	---	---	0.252	0.545	---	---	---	---	---	---	---	---	---	1931
1935	---	---	---	---	---	---	---	---	3.12	1.15	---	---	---	1935
1936	---	---	11.4	---	1.37	1.58	2.48	2.15	2.33	1.01	---	---	---	1936
MEAN	---	2.83	5.79	4.02	2.27	4.59	3.78	3.63	3.48	1.75	---	---	3.85	MEAN

LOCATION - LAT 51 20 00 N LONG 112 46 55 W DRAINAGE AREA, 3 990 km²
REGULATED

ROSEBUD RIVER AT BEYNON - STATION NO. 05CE003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1922	---	13.0 ON APR 24	---	---	1922
1923	---	44.7 ON JUN 1	0.1708 ON OCT 30	48 500	1923
1924	---	5.14 ON AUG 3	0.0288 ON MAR 8	48 500	1924
1925	---	80.7 B ON MAR 29 *	0 B ON MAR 1 *	115 000	1925
1926	---	13.1 B ON MAR 4	0.0598 ON APR 4	76 400	1926
1927	---	48.6 B ON MAR 27	0 B ON MAR 1	101 000	1927
1928	---	87.1 B ON MAR 20	0 B ON MAR 1	104 000	1928
1929	---	5.88 ON JUL 14	0.0288 ON MAR 1	49 000	1929
1930	---	14.9 ON JUN 24	0.1338 ON MAR 8	78 500	1930
1931	---	---	0 B ON MAR 1	---	1931
1935	---	---	---	---	1935
1936	---	40.5 B ON MAR 8	0 B ON MAR 1	---	1936
				77 600	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ROSEBUD RIVER AT REDLAND - STATION NO. 05CE005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1951	---	---	---	---	---	---	3.49	1.54	5.10	1.80	---	---	---	1951
1952	---	---	---	---	3.49	5.50	3.16	1.22	1.45	1.24	---	---	---	1952
1953	---	---	---	---	3.83	7.10	4.14	1.72	2.11	0.939	---	---	---	1953
1954	---	---	---	---	5.73	4.50	2.25	9.59	9.29	2.92	---	---	---	1954
1955	---	---	---	---	8.78	3.22	3.70	2.08	2.32	1.10	---	---	---	1955
1956	---	---	---	---	1.91	3.02	2.95	2.75	2.14	0.698	---	---	---	1956
1957	---	---	---	---	1.62	2.78	2.29	2.95	1.68	1.03	---	---	---	1957
1958	---	---	---	---	1.61	2.63	2.35	1.08	1.81	0.918	---	---	---	1958
1959	---	---	---	---	1.49	3.02	1.83	2.42	2.35	0.715	---	---	---	1959
1960	---	---	---	---	2.29	2.26	1.86	1.80	1.31	0.853	---	---	---	1960
1961	---	---	---	---	2.48	1.86	0.905	1.85	1.39	0.780	---	---	---	1961
1962	---	---	---	---	1.84	2.32	3.01	1.94	2.18	0.583	---	---	---	1962
1963	---	---	---	---	0.987	1.87	1.28	1.20	1.28	0.885	---	---	---	1963
1964	---	---	---	---	1.19	2.41	1.32	1.06	1.83	0.996	---	---	---	1964
1965	---	---	---	---	1.60	3.80	6.07	2.32	3.56	1.81	---	---	---	1965
1966	---	---	---	---	3.01	4.17	6.88	1.89	0.967	0.785	---	---	---	1966
1967	---	---	0.268	26.4	8.87	2.87	1.81	1.32	1.51	1.05	---	---	5.38	1967
1968	---	---	---	---	1.83	2.59	2.52	2.72	2.88	1.79	---	---	---	1968
1969	---	---	---	---	2.30	1.82	2.60	1.35	2.12	1.30	---	---	---	1969
1970	---	---	1.80	2.02	1.02	5.33	3.37	1.84	2.37	1.78	---	---	2.44	1970
1971	---	---	4.05	41.6	3.13	3.30	1.78	1.91	2.15	0.883	---	---	7.25	1971
1972	---	---	8.48	2.20	1.46	2.52	2.18	1.39	2.21	1.05	---	---	2.44	1972
1973	---	---	8.01	8.18	2.82	3.13	1.93	1.92	2.89	---	---	---	---	1973
1974	---	---	0.181	24.0	8.12	2.25	1.83	1.90	1.94	1.10	---	---	5.12	1974
1975	---	---	0	3.87	2.98	2.43	1.83	2.27	2.06	1.18	---	---	2.07	1975
1976	---	---	2.85	1.82	1.31	2.50	2.07	4.23	3.74	0.915	---	---	2.38	1976
1977	---	---	0.218	0.382	1.98	1.86	0.736	1.24	1.45	0.823	---	---	1.08	1977
1978	---	---	4.80	8.07	2.10	2.58	0.943	3.33	3.74	1.39	---	---	3.12	1978
1979	---	---	2.27	1.85	0.872	1.41	1.71	2.82	1.88	1.00	---	---	1.71	1979
1980	---	---	0.004	8.39	1.98	3.43	2.67	2.83	2.07	0.781	---	---	2.73	1980
1981	---	---	0.776	0.880	3.27	1.81	2.98	1.88	1.78	1.55	---	---	1.82	1981
1982	---	---	1.77	5.00	1.37	2.21	2.78	2.12	2.76	1.75	---	---	2.48	1982
1983	---	---	0.705	1.41	1.43	1.88	2.80	2.05	2.73	1.18	---	---	1.75	1983
1984	---	---	0.787	0.883	1.38	2.81	1.87	3.44	3.52	1.24	0.180	---	1.83	1984
1985	---	---	4.87	1.33	1.55	2.38	2.01	3.12	4.39	1.11	---	---	2.57	1985
1986	---	---	1.13	0.639	3.37	2.74	4.52	2.43	5.05	4.22	---	---	3.12	1986
MEAN	---	---	2.26	7.67	2.89	2.90	2.85	2.31	2.84	1.26	0.180	---	2.80	MEAN

LOCATION - LAT 51 17 35 N LONG 113 00 38 W DRAINAGE AREA, 3 580 km²
REGULATED

ROSEBUD RIVER AT REDLAND - STATION NO 05CE005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1951	---	---	---	---	1951
1952	---	---	---	---	1952
1953	---	---	---	---	1953
1954	---	---	---	---	1954
1955	---	---	---	---	1955
1956	---	---	---	---	1956
1957	---	---	---	---	1957
1958	---	---	---	---	1958
1959	---	---	---	---	1959
1960	---	---	---	---	1960
1961	---	---	---	---	1961
1962	---	---	---	---	1962
1963	---	---	---	---	1963
1964	---	---	---	---	1964
1965	---	---	---	---	1965
1966	---	---	0 DN MAR 10 *	---	1966
1967	---	48.1 DN APR 14	0.0288 DN MAR 1	114 000	1967
1968	---	---	---	---	1968
1969	---	---	---	---	1969
1970	---	18.5 DN JUN 20	0 B DN MAR 1	51 700	1970
1971	---	177 DN APR 5 *	0.0288 DN MAR 1	154 000	1971
1972	---	28.3 B DN MAR 23	0.1428 DN MAR 1	61 800	1972
1973	---	33.1 B DN MAR 26	---	---	1973
1974	---	99.3 DN APR 13	0.1428 DN MAR 1	108 000	1974
1975	---	12.0 B DN APR 22	0 B DN MAR 1	43 700	1975
1976	---	9.718 DN MAR 25	0.0828 DN MAR 1	50 800	1976
1977	---	4.59 DN JUN 1	0.1028 DN MAR 3	22 900	1977
1978	---	33.8 B DN MAR 30	0.0178 DN MAR 1	85 000	1978
1979	---	8.158 DN MAR 11	0 B DN MAR 1	36 200	1979
1980	---	35.1 B DN APR 12	0 B DN MAR 1	57 800	1980
1981	---	5.85 DN MAY 15	0.082 DN APR 28	38 500	1981
1982	---	11.4 B DN APR 14	0 B DN MAR 1	52 100	1982
1983	---	4.02 DN APR 1	0.0808 DN MAR 7	37 100	1983
1984	---	5.79 DN JUN 11	0.1058 DN MAR 4	40 900	1984
1985	---	33.6 B DN MAR 18	0 B DN MAR 1	54 400	1985
1986	17.7 AT 13 35 MST ON SEP 27 *	16.0 DN SEP 27	0.300 DN MAY 1	86 200	1986
				81 900	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ROSEBUD RIVER BELOW CARSTAIRS CREEK - STATION NO 05CE006

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1957	---	---	---	---	0.185	0.109	0.024	0.001	0	0.009	---	---	---	1957
1958	---	---	---	---	0.133	0.046	0.087	0	0	0	---	---	---	1958
1959	---	---	0.440	0.080	0.080	0.079	0.040	0.057	0.040	0.021	---	---	0.089	1959
1960	---	---	5.36	1.15	0.230	0.036	0.025	0.053	0	0	---	---	0.988	1960
1961	---	---	0.886	0.127	0.090	0.002	0.018	0	0	0	---	---	0.139	1961
1962	---	---	0.787	0.080	0.021	0.008	0	0	0	0	---	---	0.113	1962
1963	---	---	1.07	0.249	0.048	0	0.040	0	0	0	---	---	0.177	1963
1964	---	---	0	0.183	0.197	0.158	0.104	0	0	0.014	---	---	0.078	1964
1965	---	---	2.41	3.13	0.131	0.255	0.774	0.291	0.507	0.250	---	---	0.889	1965
1966	---	---	4.19	0.882	0.837	0.484	1.43	0.138	0.028	0.049	---	---	0.884	1966
1967	---	---	1.33	7.95	2.25	0.544	0.170	0.032	0.004	0	---	---	1.51	1967
1968	---	---	0.335	0.185	0.171	0.190	0.081	0.030	0.030	0.058	---	---	0.132	1968
1969	---	---	0.894	8.27	0.301	0.040	0.226	0.018	0.035	0.030	---	---	1.21	1969
1970	---	---	0.843	0.361	0.155	1.88	0.724	0.030	0.028	0.052	---	---	0.481	1970
1971	---	---	3.52	10.8	0.267	0.812	0.084	0.003	0.005	0.004	---	---	1.78	1971
1972	---	---	1.80	0.291	0.058	0.159	0.086	0.003	0.018	0.035	---	---	0.282	1972
1973	---	---	2.41	3.85	0.455	0.198	0.180	0.012	0.010	0.004	---	---	0.898	1973
1974	---	---	0	7.22	2.84	0.421	0.089	0.012	0.009	0.005	---	---	1.28	1974
1975	---	---	0.001	1.21	0.591	0.097	0.014	0	0	0	---	---	0.236	1975
1976	---	---	0.407	0.131	0.033	0.028	0.001	0.011	0.004	0	---	---	0.077	1976
1977	---	---	0.004	0.041	0.055	0.043	0	0	0	0	---	---	0.018	1977
1978	---	---	1.25	1.08	0.123	0.209	0.005	0.053	0.097	0.027	---	---	0.385	1978
1979	---	---	0.848	0.396	0.185	0.026	0.007	0.001	0	0	---	---	0.183	1979
1980	---	---	0.188	0.848	0.087	0.459	0.144	0.028	0.003	0	---	---	0.214	1980
1981	---	---	0.117	0.101	0.882	0.145	0.350	0.098	0.001	0.002	---	---	0.188	1981
1982	---	---	0.224	1.13	0.195	0.124	0.192	0.018	0	0.003	---	---	0.234	1982
1983	---	---	0.076	0.188	0.102	0.057	0.024	0	0	0	---	---	0.055	1983
1984	---	---	0.070	0.023	0.070	0.008	0	0	0	0	---	---	0.022	1984
1985	---	---	0.291	0.086	0.020	0.005	0	0	0.308	0.038	---	---	0.083	1985
1986	---	---	0.239	0.032	0.887	0.089	0.188	0.045	0.532	0.808	---	---	0.374	1986
MEAN	---	---	1.05	1.79	0.372	0.222	0.188	0.031	0.055	0.052	---	---	0.471	MEAN

LOCATION - LAT 51 25 00 N DRAINAGE AREA 753 km^2
LONG 113 43 35 W NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1983

ROSEBUD RIVER BELOW CARSTAIRS CREEK - STATION NO. 05CE005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1957	---	---	0 ON JUL 14 *	---	1957
1958	---	---	0 E ON JUN 22	---	1958
1959	---	1.08 B ON MAR 1	0 ON JUN 8	2 100	1959
1960	---	26.7 B ON MAR 20	0 B ON MAR 1	20 900	1960
1961	---	5.21 B ON MAR 20	0 B ON MAR 1	2 840	1961
1962	---	4.59 B ON MAR 18	0 B ON MAR 1	2 390	1962
1963	---	3.09 B ON MAR 24	0 ON MAY 22	3 750	1963
1964	0.958 AT 09 00 MST ON MAY 8	0.900 ON MAY 8	0 B ON MAR 1	1 670	1964
1965	---	10.8 B ON APR 7	0.017 ON AUG 23	20 500	1965
1966	---	12.1 A ON MAR 15	0 B ON MAR 1	20 800	1966
1967	---	15.8 B ON APR 8	0 B ON MAR 2	31 900	1967
1968	---	0.9778 ON MAR 7	0 ON JUL 6	2 800	1968
1969	---	41.3 ON APR 2 *	0 B ON MAR 1	25 500	1969
1970	13.9 AT 23 36 MST ON JUN 17	11.9 ON JUN 17	0 B ON MAR 1	10 200	1970
1971	40.5 AT 02 30 MST ON APR 7 *	36.5 B ON APR 6	0 ON AUG 13	37 900	1971
1972	---	7.67 B ON MAR 18	0 B ON MAR 1	5 970	1972
1973	10.8 B AT 18 20 MST ON APR 5	10.0 B ON APR 5	0 ON AUG 20	19 000	1973
1974	24.2 B AT 05 40 MST ON APR 16	21.5 B ON APR 16	0 B ON MAR 1	27 100	1974
1975	3.14 B AT 00 00 MST ON APR 20	2.83 B ON APR 19	0 B ON MAR 1	5 000	1975
1976	3.03 B AT 11 25 MST ON MAR 19	2.74 B ON MAR 19	0 ON JUL 6	1 640	1976
1977	0.286 AT 13 00 MST ON JUN 4	0.238 ON JUN 4	0 B ON MAR 1	374	1977
1978	8.78 AT 24 00 MST ON MAR 30	8.04 ON MAR 31	0 B ON MAR 1	7 520	1978
1979	2.73 B AT 09 30 MST ON MAR 13	2.38 B ON MAR 13	0 B ON MAR 1	3 480	1979
1980	3.55 AT 03 30 MST ON JUN 17	2.10 B ON MAR 30	0 B ON MAR 1	4 540	1980
1981	2.92 AT 05 50 MST ON MAY 10	2.50 ON MAY 10	0 ON AUG 28	3 890	1981
1982	---	3.71 E ON APR 13	0 B ON MAR 1	4 950	1982
1983	1.02 AT 17 42 MST ON APR 27	0.887 ON APR 29	0 B ON MAR 1	1 180	1983
1984	0.8828 AT 21 44 MST ON MAR 22	0.4118 ON MAR 23	0 B ON MAR 1	455	1984
1985	4.01 AT 05 20 MST ON SEP 14	2.80 ON SEP 14	0 B ON MAR 1	1 980	1985
1986	5.55 AT 21 35 MST ON SEP 27	4.27 ON MAY 19	0 ON AUG 27	7 920	1986
				9 980	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ROSEBUD RIVER NEAR CROSSFIELD - STATION NO. 05CE004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1926	---	---	---	---	0.016	0.013	0.003	0.089	---	---	---	---	---	1926
MEAN	---	---	---	---	0.016	0.013	0.003	0.089	---	---	---	---	---	MEAN

LOCATION - LAT 51 28 30 N, LONG 113 48 15 W
DRAINAGE AREA, 471 km^2
NATURAL FLOW

ROSEBUD RIVER NEAR CROSSFIELD - STATION NO. 05CE004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1926	---	---	0 ON JUN 3 *	---	1926
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ROSS CREEK AT KOENIG'S RANCH - STATION NO. 05AH036

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	---	---	0.128	0.056	0.157	0.146	0.086	---	---	---	1912
1913	---	---	---	1.32	0.171	0.058	0.048	0.032	0.019	0.112	---	---	---	1913
1914	---	---	---	0.275	---	0.055	0.001	0.006	0.030	0.116	---	---	---	1914
MEAN	---	---	---	0.798	0.171	0.081	0.035	0.065	0.065	0.098	---	---	---	MEAN

LOCATION - LAT 49 45 35 N, LONG 110 17 10 W
DRAINAGE AREA, 89.1 km^2
NATURAL FLOW

ROSS CREEK AT KOENIG'S RANCH - STATION NO. 05AH036

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	---	---	---	1912
1913	---	---	---	---	1913
1914	---	1.59 ON APR 5 *	0 ON APR 10 *	---	1914
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ROSS CREEK AT MEDICINE HAT - STATION NO 05AH049

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1985	---	---	---	---	2.21R	0.487R	0.200	0.378R	0.527	0.175R	---	---	0.863R	1985
1986	---	---	---	---	2.13	0.488	0.466	0.355	1.80	1.89	---	---	1.19	1986
MEAN	---	---	---	---	2.17R	0.488R	0.333	0.366R	1.16	1.03 R	---	---	0.927	MEAN

LOCATION - LAT 50 01 47 N
LONG 110 38 27 W REGULATED

R - REVISED SINCE JAN 1980

ROSS CREEK AT MEDICINE HAT - STATION NO 05AH049

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1985	---	5.25RA ON MAY 2	0.002 ON JUL 8 *	10 600R	1985
1986	---	7.47 ON SEP 29 *	0.085 ON JUL 8	18 900	1986
				14 800R	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)

* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1 1986

ROSS CREEK AT OUTLET OF ELKWATER LAKE - STATION NO 05AH046

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR FEB TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	---	---	---	---	---	---	---	0.069	---	---	---	1980
1981	---	0	0	0	0	0	0	0	0	0.138	---	---	0.016	1981
1982	---	0	0	0	0.005	---	---	0	0	0	---	---	---	1982
1983	---	0	0.032	0.057	0.223	0.089	0.076	0	0	0.111	---	---	0.086	1983
1984	---	0	0	0	0	0	0	0	0	0.124	---	---	0.014	1984
1985	---	0	0	0	0.185	0.059	0	0	0	0	---	---	0.027	1985
1986	---	---	---	---	---	---	---	---	---	---	---	---	---	1986
MEAN	---	0	0.006	0.011	0.083	0.037	0.019	0	0	0.074	---	---	0.031	MEAN

LOCATION - LAT 49 40 42 N DRAINAGE AREA 30.0 km^2
LONG 110 17 42 W REGULATED

ROSS CREEK AT OUTLET OF ELKWATER LAKE - STATION NO 05AH046

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR FEB TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1980	---	---	---	---	1980
1981	2.48 AT 12:30 MST ON OCT 13 *	0.754 ON OCT 14 *	0 B ON FEB 1 *	371	1981
1982	---	---	0 B ON FEB 1	---	1982
1983	0.878 AT 10:37 MST ON OCT 13	0.727 ON OCT 14	0 B ON FEB 1	1 560	1983
1984	0.661 AT 12:30 MST ON OCT 9	0.529 ON OCT 10	0 B ON FEB 1	333	1984
1985	0.8568 AT 11:30 MST ON MAY 16	0.8858 ON MAY 16	0 B ON FEB 1	847	1985
1986	---	---	0.0018 ON MAR 1	---	1986
				728	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ROSS CREEK DIVERSION CANAL NEAR IRVINE - STATION NO 05AH045

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	0	0.161	0.111	0.145	0.180	0.014	0	0	0	---	---	0.076	1982
1983	---	0.002	0.004	0.035	0.100	0.035	0.147	0.003	0	0	---	---	0.041	1983
MEAN	---	0.001	0.055	0.049	0.082	0.072	0.054	0.001	0	0	---	---	0.039	MEAN

LOCATION - LAT 49 57 15 N
LONG 110 20 24 W REGULATED

ROSS CREEK DIVERSION CANAL NEAR IRVINE - STATION NO 05AH045

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	---	0 ON MAR 1	0 ON MAR 1 *	0	1981
1982	---	0.974A ON MAR 30 *	0B ON MAR 1	1 610	1982
1983	---	0.394 ON JUL 23	0B ON MAR 3	863	1983
				824	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ROSS CREEK NEAR IRVINE - STATION NO. 05AH003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR FEB TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	0.004	0.001	---	---	---	---	---	---	1910
1911	---	---	---	0.919	0.240	0.072	0.372	0.027	0.510	0.115	---	---	---	1911
1912	---	---	---	---	0.335	0.289	0.012	0.102	0.212	0.043	---	---	---	1912
1913	---	---	---	2.36	0.355	0.036	0.054	0.015	0.001	0.001	---	---	---	1913
1914	---	---	0.792	1.20	0.202	0.004	0	0	0	0.252	---	---	---	1914
1915	---	---	---	1.30	0.486	1.45	0.530	0.337	0.011	0.024	---	---	---	1915
1916	---	---	2.80	0.333	1.08	4.69	2.57	0.616	0.155	0.214	---	---	---	1916
1917	---	---	---	10.3	3.54	0.167	0.001	0	0	0	---	---	---	1917
1918	---	---	---	1.36	0.158	0.015	0	0	0	0	---	---	---	1918
1919	---	---	0	0.297	0.015	0	0	0	0	0	---	---	---	1919
1920	---	0.006	2.11	1.51	0.357	0.026	0.022	---	---	---	---	---	---	1920
1921	---	0.510	0.804	2.81	0.513	0.030	0.004	0	0	0	---	---	0.515	1921
1922	---	---	1.84	7.89	1.18	0.084	0.001	---	---	---	---	---	---	1922
1923	---	0	0.483	1.07	0.023	1.30	0.026	0	0	0	---	---	0.321	1923
1924	---	0	0	0.272	0.010	0.017	0.001	0.001	0	0	---	---	0.033	1924
1925	---	0.123	3.58	1.77	0.152	0.056	0	0	0.001	0.006	---	---	0.638	1925
1926	---	0.124	0.735	0.302	0.013	0	0	0	0	0	---	---	0.131	1926
1927	---	0	0.583	2.48	4.51	1.21	0.561	0.137	0.004	0.105	---	---	1.08	1927
1928	---	0.064	3.23	0.545	0.087	0.848	0.533	0.020	0	0	---	---	0.597	1928
1929	---	0	1.89	1.76	0.702	0.080	0	0	0	0	---	---	0.494	1929
1930	---	1.99	0.166	0.575	0.033	0.025	0	0	0.008	0.002	---	---	0.293	1930
1931	---	0	0	0	---	---	---	---	---	---	---	---	---	1931
1935	---	---	---	2.42	0.333	0.021	0.037	---	---	---	---	---	---	1935
1936	---	---	1.82	3.96	0.054	0.003	0	0	0	0	---	---	---	1936
1937	---	---	0.006	0.571	0.001	0	0	0	0	0	---	---	---	1937
1938	---	---	1.25	2.18	0.393	0.015	---	---	---	---	---	---	---	1938
1939	---	---	3.28	0.247	0.002	0.583	---	---	---	---	---	---	---	1939
1940	---	---	1.85	4.34	0.432	0.041	---	---	---	---	---	---	---	1940
1941	---	0.014	1.35	0.028	0	0.119	---	---	---	---	---	---	---	1941
1942	---	---	0.006	0.473	0	0.660	---	---	---	---	---	---	---	1942
1943	---	2.08	4.10	0.830	0.073	0	---	---	---	---	---	---	---	1943
1944	---	---	0.002	0.031	0	0	---	---	---	---	---	---	---	1944
1945	---	---	0.859	0.001	0	0	---	---	---	---	---	---	---	1945
1946	---	0.289	2.08	0.225	---	0	---	---	---	---	---	---	---	1946
1947	---	---	6.60	1.78	0.122	0.048	---	---	---	---	---	---	---	1947
1948	---	---	2.93	5.07	0.541	0.003	---	---	---	---	---	---	---	1948
1949	---	---	0.445	0.088	0	0	---	---	---	---	---	---	---	1949
1950	---	---	0.586	0.717	0.015	0	---	---	---	---	---	---	---	1950
1951	---	---	4.32	5.07	0.901	0.404	---	---	---	---	---	---	---	1951
1952	---	---	3.84	8.59	0.383	0.020	---	---	---	---	---	---	---	1952
1953	---	---	2.33	2.40	1.56	5.14	---	---	---	---	---	---	---	1953
1954	---	0.005	0.012	1.85	0.443	0.565	---	---	---	---	---	---	---	1954
1955	---	---	1.68	10.3	3.92	0.457	---	---	---	---	---	---	---	1955
1956	---	---	2.19	0.842	0.371	0.073	---	---	---	---	---	---	---	1956
1957	---	0.873	1.57	3.40	0.740	0.033	---	---	---	---	---	---	---	1957
1958	---	---	0.844	0.537	0.107	0	---	---	---	---	---	---	---	1958
1959	---	---	1.31	0.393	0.115	0	---	---	---	---	---	---	---	1959
1960	---	---	1.76	0.510	1.10	0.026	0	0	0	0	---	---	---	1960
1961	---	---	0	0	0	0	0	0	0	0	---	---	---	1961
1962	---	---	0.548	0.006	0	0	0	0	0	0	---	---	---	1962
1963	---	---	0.271	0.031	0	0.005	0.179	0	0	0	---	---	---	1963
1964	---	---	0.083	0.285	1.67	0.058	0	0	0	0	---	---	---	1964
1965	---	---	0.410	3.93	0.202	1.03	1.14	0.003	0.028	0.091	---	---	---	1965
1966	---	---	2.42	0.688	0.070	0.541	0.142	0.024	0	0.003	---	---	---	1966
1967	---	---	3.36	2.30	8.87	0.238	0.003	0.009	0.007	0	---	---	---	1967
1968	---	---	0.237	0.137	0.117	0.001	0.085	0	0	0	---	---	---	1968
1969	---	---	2.43	1.12	0.050	0.001	0.001	0	0.002	0	---	---	---	1969
1970	---	---	0.374	1.06	0.329	0.261	0.114	0	0	0	---	---	---	1970
1971	---	2.69	0.555	1.80	0.234	0.348	0.031	0	0	0	---	---	0.618	1971
1972	---	---	2.04	0.078	0.070	0.003	0	0.001	0	0	---	---	---	1972
1973	---	0.030	0.203	0.113	0.025	0.582	0	0	0	0	---	---	0.105	1973
1974	---	---	1.42	0.512	0.547	0.119	0	0	0	0	---	---	---	1974
1975	---	---	0	2.05	5.32	1.80	0.078	0.006	0	0	---	---	---	1975
1976	---	---	0.620	0.608	0.155	0.211	0.034	0	0	0	---	---	---	1976
1977	---	---	0	0.008	0	0	0	0	0	0	---	---	---	1977
1978	---	---	1.10	0.327	0.147	0.057	0	0	0.006	0	---	---	---	1978
1979	---	---	2.74	1.57	0.883	0.072	0.004	0	0	0	---	---	---	1979
1980	---	---	0.042	0.037	0	0	0	0	0	0	---	---	---	1980
1981	---	0.140	0	0	0	0.088	0	0	0	0	---	---	0.024	1981
1982	---	0.378	0.780	1.86	0.289	1.74	0.118	0	0	0	---	---	0.547	1982
1983	---	0.171	0.128	0.133	0.552	0.036	0.046	0	0	0	---	---	0.118	1983
1984	---	0	0.006	0.016	0	0	0	0	0	0	---	---	0.002	1984
1985	---	0	0.509	1.57	0.872	0.065	0	0	0	0	---	---	0.338	1985
1986	0.011	0.359	0.283	0.003	1.08	0.074	0	0	1.06	0.580	---	---	0.381	1986
MEAN	0.011	0.403	1.30	1.61	0.829	0.355	0.133	0.028	0.043	0.031	---	---	0.367	MEAN

LOCATION - LAT 49 58 27 N DRAINAGE AREA, 847 km²
LONG 110 22 00 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1930, 1957, 1963 AND 1971

ROSS CREEK NEAR IRVINE - STATION NO. 05AH003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR FEB TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	---	0 ON JUL 31 *	---	1910
1911	---	5.01 ON MAR 19	0 ON MAR 5	---	1911
1912	---	---	---	---	1912
1913	---	8.81 ON APR 4	0 ON JUL 12	---	1913
1914	---	9.37 ON APR 1	0 ON JUN 1	---	1914
1915	---	8.83 ON MAR 18	0 ON MAR 11	---	1915
1916	---	21.3 ON MAR 11	0 0.59 ON SEP 24	---	1916
1917	---	20.7 ON APR 9	0 ON JUL 3	---	1917
1918	---	23.9 ON MAR 23	0 ON JUL 7	---	1918
1919	---	2.55 ON APR 19	0 ON MAR 1	---	1919
1920	26.7 AT 12:00 MST ON MAR 22	20.3 ON MAR 22	0 B ON FEB 1	---	1920
1921	27.1 AT 17:20 MST ON APR 14	20.6 ON APR 14	0 B ON FEB 1	12 100	1921
1922	44.2 ON APR 22	25.2 ON APR 21	0 B ON FEB 12	---	1922
1923	14.5 AT 07:15 MST ON JUN 16	12.1 ON JUN 16	0 ON FEB 1	7 570	1923
1924	---	2.21 ON APR 7	0 B ON FEB 1	779	1924
1925	21.2 ON MAR 29	19.7 ON MAR 29	0 B ON FEB 1	15 000	1925
1926	---	3.62 ON APR 11	0 B ON FEB 1	3 090	1926
1927	---	22.7 E ON MAY 30	0 B ON FEB 1	25 400	1927
1928	19.4 B AT 17:15 MST ON MAR 20	18.6 B ON MAR 20	0 B ON FEB 1	14 100	1928
1929	24.4 B AT 17:50 MST ON MAR 29	20.6 B ON MAR 29	0 B ON FEB 1	11 700	1929
1930	---	15.6 B ON FEB 18	0 B ON FEB 1	8 920	1930
1931	---	---	0 ON FEB 1	---	1931
1935	22.5 E ON APR 17	20.9 E ON APR 13	0 B ON APR 1	---	1935
1936	22.6 B ON MAR 7	---	---	---	1936
1937	---	3.34 ON APR 10	0 B ON MAR 1	---	1937
1938	17.7 AT 07:30 MST ON APR 11	17.4 ON APR 11	0 ON MAR 24	---	1938
1939	---	28.6 ON MAR 20	0 ON MAR 1	---	1939
1940	24.8 ON APR 22	21.9 ON APR 22	0 ON JUN 18	---	1940
1941	11.4 B AT 14:00 MST ON MAR 19	10.5 B ON MAR 19	0 B ON FEB 1	---	1941
1942	---	4.53 ON JUN 9	0 ON MAR 1	---	1942
1943	---	29.4 ON MAR 24	0 ON FEB 1	---	1943
1944	---	0.834 ON APR 1	0 ON MAR 1	---	1944
1945	10.5 B AT 12:00 MST ON MAR 11	8.33 B ON MAR 11	0 B ON MAR 1	---	1945
1946	---	7.36 E ON MAR 4	0 ON FEB 1	---	1946
1947	56.6 B AT 09:30 MST ON MAR 18	33.1 B ON MAR 18	0 B ON MAR 1	---	1947
1948	---	36.8 ON APR 17	0 B ON MAR 1	---	1948
1949	---	1.30 B ON MAR 8	0 B ON MAR 1	---	1949
1950	5.15 AT 12:10 MST ON APR 2	4.80 ON APR 2	0 B ON MAR 1	---	1950
1951	85.8 AT 08:15 MST ON MAR 31	43.6 ON MAR 31	0 B ON MAR 1	---	1951
1952	84.3 AT 16:45 MST ON APR 7	52.7 ON APR 7	0 B ON MAR 1	---	1952
1953	72.2 AT 08:00 MST ON JUN 4	45.6 ON JUN 4	0 B ON MAR 1	---	1953
1954	15.0 AT 12:00 MST ON APR 6	9.49 ON APR 6	0 B ON FEB 11	---	1954
1955	91.2 ON APR 9 *	58.9 ON APR 9 *	0 B ON MAR 1	---	1955
1956	20.8 B AT 17:00 MST ON MAR 20	20.3 B ON MAR 20	0 B ON MAR 1	---	1956
1957	10.1 AT 07:00 MST ON APR 19	8.33 B ON FEB 28	0 B ON FEB 1	---	1957
1958	5.55 AT 17:00 MST ON MAR 31	4.93 ON MAR 31	0 ON MAR 1	---	1958
1959	7.87 B AT 10:00 MST ON MAR 18	5.41 B ON MAR 18	0 E ON MAY 27	---	1959
1960	---	15.7 B ON MAR 19	0 B ON MAR 1	---	1960
1961	---	0 ON MAR 1	0 ON MAR 1	---	1961
1962	5.84 B AT 08:00 MST ON MAR 20	3.60 B ON MAR 21	0 B ON MAR 1	---	1962
1963	---	7.99 ON FEB 7	0 ON APR 17	---	1963
1964	---	16.4 ON MAY 8	0 ON MAR 1	---	1964
1965	---	15.1 ON JUN 27	0 B ON MAR 12	---	1965
1966	---	15.9 B ON MAR 11	0 B ON MAR 1	---	1966
1967	---	36.2 ON MAY 8	0 B ON MAR 11	---	1967
1968	1.44 AT 04:30 MST ON MAR 7	0.985 ON MAR 7	0 ON FEB 28	---	1968
1969	18.5 AT 20:53 MST ON MAR 19	16.4 ON MAR 19	0 ON MAR 1	---	1969
1970	10.3 AT 10:30 MST ON APR 8	7.50 ON APR 8	0 B ON FEB 23	---	1970
1971	---	25.2 B ON FEB 15	0 B ON FEB 1	14 500	1971
1972	17.4 AT 14:00 MST ON MAR 12	10.5 ON MAR 12	0 B ON MAR 1	---	1972
1973	4.08 AT 16:15 MST ON JUN 19	3.77 ON JUN 19	0 B ON FEB 1	2 480	1973
1974	17.5 B AT 12:30 MST ON MAR 28	13.9 B ON MAR 29	0 B ON FEB 27	---	1974
1975	30.6 AT 15:30 MST ON MAY 7	21.0 ON MAY 7	0 B ON MAR 1	---	1975
1976	---	5.07 B ON MAR 19	0 B ON MAR 1	---	1976
1977	---	0.068 ON APR 8	0 ON FEB 22	---	1977
1978	---	3.65 B ON MAR 8	0 B ON MAR 1	---	1978
1979	---	18.3 B ON MAR 8	0 B ON FEB 27	---	1979
1980	0.280 AT 09:30 MST ON APR 7	0.234 ON APR 7	0 B ON MAR 1	---	1980
1981	1.38 AT 20:00 MST ON JUN 15	1.07 A ON FEB 18	0 E ON FEB 1	587	1981
1982	12.5 AT 01:05 MST ON APR 14	10.8 ON JUN 3	0 B ON FEB 1	12 900	1982
1983	---	2.00 B ON FEB 14	0 B ON FEB 1	2 800	1983
1984	0.045 AT 21:18 MST ON MAR 31	0.043 ON APR 11	0 B ON FEB 1	58.3	1984
1985	---	7.31 ON APR 3	0 B ON FEB 1	7 940	1985
1986	13.6 AT 03:23 MST ON SEP 27	12.7 ON SEP 27	0 B ON FEB 1	8 990	1986
MEAN				8 840	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ROSS CREEK NEAR PASHLEY - STATION NO. 05AH032

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1920	---	---	---	---	---	0.007	0.015	0.012	0.009	0.010	---	---	---	1920
1921	---	---	0.809	2.11	0.159	0.012	0.010	0.007	0.013	0.014	---	---	---	1921
1922	---	---	1.32	6.34	1.63	0.027	0.016	0.015	0.015	0.016	---	---	---	1922
MEAN	---	---	1.06	4.23	0.895	0.015	0.014	0.011	0.012	0.013	---	---	---	MEAN

LOCATION - LAT 49 59 03 N
LONG 110 28 10 W
DRAINAGE AREA, 795 km^2
REGULATED

ROSS CREEK NEAR PASHLEY - STATION NO. 05AH032

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1920	---	---	---	---	
1921	---	9.12 ON APR 16	0 ON APR 10 *	---	1920
1922	---	20.8 ON APR 23 *	---	---	1921
				---	1922
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

RUSH LAKE DRAIN NEAR NEW DAYTON - STATION NO. 05AF031

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	0	0.022	0.233	0.047	0.014	0.016	0.010	0.017	0.004	---	---	0.045	1982
1983	---	---	0.030	0.021	0.011	0	0.002	0.002	0	0.011	---	---	0.010	1983
1984	---	---	0.014	0.003	0.002	0.001	0	0.001	0.002	0.007	---	---	0.004	1984
1985	---	---	0.004	0.015	0.057	0.286	0.568	0.436	0.070	0.015	---	---	0.192	1985
1986	---	---	0.187	0.030	0.064	0.056	0.150	0.131	0.108	0.121	---	---	0.104	1986
MEAN	---	0	0.047	0.060	0.035	0.087	0.187	0.118	0.039	0.032	---	---	0.071	MEAN

LOCATION - LAT 49 25 57 N
LONG 112 10 40 W
DRAINAGE AREA, 696 km^2
REGULATED

RUSH LAKE DRAIN NEAR NEW DAYTON - STATION NO. 05AF031

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	0.951 AT 19:20 MST ON APR 16	0.837 ON APR 17	0B ON MAR 1 *	950	1982
1983	0.2588 AT 08:15 MST ON MAR 13	0.078 ON MAR 14	0 ON MAY 28	302	1983
1984	0.049 AT 21:05 MST ON MAR 21	0.034 ON MAR 23	0 ON APR 17	74.9	1984
1985	1.82 AT 21:15 MST ON JUN 21 *	1.22 ON AUG 8 *	0B ON MAR 6	4 070	1985
1986	---	1.20 ON MAR 1	0 ON MAY 30	2 200	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 500	MEAN

RYCROFT SURVEY NO. 3 NEAR RYCROFT - STATION NO. 07FD910

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	0.186	0	0	0	0.022	0	0	---	---	---	1982
1983	---	---	---	0.088	0	0.033	0.126	0	0	0	---	---	---	1983
1984	---	---	---	0	0.005	0	0	0	0	0	---	---	---	1984
1985	---	---	---	0.018	0	0	0	0	0	0.003	---	---	---	1985
1986	---	---	---	0.013	0.009	0	0	0	0	0	---	---	---	1986
MEAN	---	---	---	0.087	0.003	0.007	0.026	0.004	0	0.001	---	---	---	MEAN

LOCATION - LAT 55 45 00 N
LONG 118 35 00 W
NATURAL FLOW

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

RYCROFT SURVEY NO. 3 NEAR RYCROFT - STATION NO. 07FD910

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	2.36 AT 00:07 MST ON APR 27 *	---	---	---	1982
1983	1.38 AT 22:03 MST ON APR 13	---	---	---	1983
1984	0.135 AT 18:52 MST ON MAY 21	0.070 ON MAY 21	0B ON MAR 1 *	---	1984
1985	0.245 AT 17:02 MST ON APR 1	0.186 ON APR 1 *	0 ON APR 18	---	1985
1986	---	---	---	---	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

SADDLE RIVER NEAR WOKING - STATION NO 07FD006

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	0.040	0.554	15.7	0.679	0.015	0.001	0	0	---	---	2.27	1967
1968	---	---	1.83	1.38	2.55	9.39	0.195	0.048	0.016	0.027	---	---	1.92	1968
1969	---	---	0.005	10.5	2.48	0.127	0.053	0.003	0.582	0.232	---	---	1.72	1969
1970	---	---	0.986	5.23	3.45	0.383	0.007	0	0	0	---	---	1.12	1970
1971	---	---	0	2.16	0.421	8.29	5.41	0.052	0.001	0.006	---	---	2.02	1971
1972	---	---	1.27	7.58	5.67	0.537	0.847	0.240	0.280	1.51	---	---	2.22	1972
1973	---	---	0.116	14.7	3.05	1.27	0.031	0.191	0.119	0.305	---	---	2.43	1973
1974	---	---	0.005	15.1	11.2	0.458	0.270	0.018	0.052	0.058	---	---	3.86	1974
1975	---	---	0.006	3.25	1.84	0.424	0.113	0.001	0	0	---	---	0.698	1975
1976	---	---	0.206	3.79	1.46	4.06	0.638	8.21	0.483	0.336	---	---	2.39	1976
1977	---	---	0.292	6.25	10.0	2.36	0.862	0.071	0.041	0.309	---	---	2.53	1977
1978	---	---	0.582	3.16	2.86	0.604	0.022	0	0.010	0.019	---	---	0.904	1978
1979	---	---	0.010	4.22	6.98	1.65	1.18	0.006	0.001	0	---	---	1.78	1979
1980	---	---	0.040	0.462	0.106	0.364	0.026	0	0.083	0.016	---	---	0.133	1980
1981	---	---	1.00	2.03	2.30	0.732	0.016	0	0	0	---	---	0.756	1981
1982	---	---	0	1.88	2.78	0.229	0.016	1.25	0.005	0.006	---	---	0.747	1982
1983	---	---	0	2.08	1.28	2.26	8.05	0.058	0.002	0.007	---	---	1.72	1983
1984	---	---	0.557	0.315	3.11	2.90	0.410	0.004	0.013	0.144	---	---	0.929	1984
1985	---	---	1.23	2.58	0.538	0.027	0.016	0	0.002	0.098	---	---	0.586	1985
1986	---	---	0.686	2.58	4.00	0.070	0.011	0.003	0.002	0.004	---	---	1.18	1986
MEAN	---	---	0.454	4.58	4.19	1.84	0.898	0.508	0.082	0.198	---	---	1.59	MEAN

LOCATION - LAT 55 38 39 N DRAINAGE AREA 538 km²
LONG 118 41 51 W NATURAL FLOW

SADDLE RIVER NEAR WOKING - STATION NO 07FD006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1967	80.1 AT 05 00 MST ON MAY 8	64.8 ON MAY 6	0 ON AUG 10 *	44 100	1967
1968	X39 AT 05 00 MST ON JUN 13 *	150 ON JUN 13 *	0.0024 ON OCT 3	40 600	1968
1969	57.2 B AT 23 00 MST ON APR 11	43.6 ON APR 29	0 E ON AUG 15	36 300	1969
1970	10.2 AT 10 00 MST ON APR 23	9.46 ON APR 23	0 ON JUL 30	23 800	1970
1971	76.4 AT 22 00 MST ON JUL 11	55.4 ON JUL 11	0 B ON MAR 1	43 900	1971
1972	61.4 AT 09 00 MST ON APR 29	43.3 ON APR 29	0.0019 ON MAR 1	47 100	1972
1973	37.4 AT 01 30 MST ON APR 11	27.5 ON APR 11	0 A ON AUG 7	51 600	1973
1974	86.1 AT 09 30 MST ON APR 26	60.9 ON APR 26	0.0068 ON MAR 1	81 800	1974
1975	22.5 B AT 02 30 MST ON APR 19	13.1 B ON APR 19	0 ON AUG 9	14 800	1975
1976	80.9 AT 23 00 MST ON AUG 17	47.5 ON AUG 17	0.0068 ON MAR 1	50 600	1976
1977	86.1 A AT 17 00 MST ON MAY 12	48.6 ON MAY 6	0.015A ON SEP 21	63 300	1977
1978	18.4 AT 12 00 MST ON APR 29	15.7 ON APR 29	0 ON AUG 6	19 100	1978
1979	64.3 AT 23 30 MST ON APR 27	30.0 ON APR 28	0 B ON MAR 1	37 200	1979
1980	8.22 AT 15 00 MST ON JUN 15	2.27 ON JUN 15	0 B ON MAR 1	2 810	1980
1981	7.31 AT 15 35 MST ON APR 30	5.30 ON APR 30	0 ON AUG 6	15 100	1981
1982	26.1 AT 02 00 MST ON APR 27	14.3 ON APR 27	0 B ON MAR 1	15 800	1982
1983	37.3 AT 11 30 MST ON JUL 7	20.8 ON JUL 7	0 B ON MAR 1	36 600	1983
1984	34.5 AT 04 00 MST ON JUN 8	27.9 ON JUN 8	0 B ON MAR 1	19 700	1984
1985	8.48B AT 13 00 MST ON APR 2	5.95 ON APR 14	0 B ON MAR 1	12 000	1985
1986	26.1 A AT 11 30 MST ON MAY 5	21.7 A ON MAY 5	0 ON JUL 6	25 100	1986
				33 800	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SAGE CREEK AT BJORDAL'S NEAR WILD HORSE - STATION NO 11AA005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	0	---	---	---	---	---	---	---	---	---	1910
1911	---	---	---	0.004	0	0	0.056	0	0.292	0.077	---	---	---	1911
1912	---	---	---	0.071	0.010	0.010	---	---	---	---	---	---	---	1912
1913	---	---	---	0.630	0.081	0	---	---	---	---	---	---	---	1913
1916	---	---	---	0.185	0.101	0.521	0.515	0.253	0.194	0.031	---	---	---	1916
1917	---	---	---	1.06	0.520	0.016	---	---	---	---	---	---	---	1917
1918	---	---	---	1.26	0.025	0	---	---	---	---	---	---	---	1918
1919	---	---	0	0.186	0.003	0	0	0	---	---	---	---	---	1919
1920	---	---	0.081	0.642	0.328	0.119	0.001	---	---	---	---	---	---	1920
1921	---	---	0.218	0.575	0.379	0.044	---	---	---	---	---	---	---	1921
1922	---	---	---	0.519	0.384	0.018	0.133	---	---	---	---	---	---	1922
1923	---	---	---	0.312	0.009	0.286	0.199	0.001	0	0	---	---	---	1923
1924	---	---	0	0	0	0.002	0	0.008	0	0	---	---	---	1924
1926	---	---	0.453	0.001	0	0	0	---	0.096	---	---	---	---	1926
1927	---	---	0.158	0.722	0.821	0.127	0.008	0.032	0	0	---	---	---	1927
1928	---	---	0.110	0.814	0.151	0	0	0.084	0	0	---	---	---	1928
1935	---	---	---	---	0	---	---	---	0	---	---	---	---	1935
1936	---	---	0	0.146	0	0	---	---	---	---	---	---	---	1936
1937	---	---	0	0.343	0.001	---	---	---	---	---	---	---	---	1937
MEAN	---	---	0.113	0.488	0.151	0.070	0.086	0.054	0.073	0.018	---	---	---	MEAN

LOCATION - LAT 49 00 51 N DRAINAGE AREA 588 km²
LONG 114 12 00 W REGULATED

SAGE CREEK AT BJORDAL'S NEAR WILD HORSE - STATION NO. 11AA009

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	---			
1911	---	---	0 ON MAR 31 *	---	1910
1912	---	---	0 ON APR 6	---	1911
1913	---	2.40 ON APR 7	0 ON MAY 12	---	1912
		---	0 ON MAY 5	---	1913
1916	---	---			
1917	---	1.90 ON JUL 4	0 ON MAY 7	---	1916
1918	---	2.83 ON APR 14	0 ON APR 1	---	1917
1919	---	3.05 ON APR 1 *	0 ON MAY 31	---	1918
		0.821 ON APR 22	0 ON MAR 1	---	1919
1920	---	---			
1921	---	1.44 ON APR 15	0 ON MAR 1	---	1920
1922	---	1.42 E ON MAR 31	0E ON MAR 1	---	1921
1923	---	1.59 ON APR 27	0 ON APR 1	---	1922
1924	---	1.87 ON JUN 23	0 ON APR 10	---	1923
		0.0892 ON AUG 18	0 ON MAR 1	---	1924
1926	---	---			
1927	---	1.44 E ON MAR 2	0E ON APR 9	---	1926
1928	---	2.46 ON MAY 30	0E ON MAR 1	---	1927
		1.84 ON APR 3	0E ON MAR 1	---	1928
1935	---	---			
1936	---	---	0 ON MAY 1	---	1935
1937	---	1.18 ON APR 13	0 ON MAR 1	---	1936
		1.36 ON APR 13	0 ON MAR 1	---	1937

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SAGE CREEK AT O RANCH NEAR WILDHORSE - STATION NO. 11AA036

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1935	---	---	1.05	1.56	0		0.060	0	0	0	---	---	0.333	1935
1936	---	---	0	1.18	0.001	0	0	0	0	0	---	---	0.145	1936
1937	---	---	0	2.18	0.027	0	0	0	0	0	---	---	0.270	1937
1938	---	---	1.62	0.940	0.116	0.104	0.376	0	0	0	---	---	0.486	1938
1939	---	---	3.10	0.110	0	0.394	0.018	0	0.587	0	---	---	0.652	1939
1940	---	---	0.065	5.70	0.302	0.065	0.060	0	0	0	---	---	0.758	1940
1941	---	---	3.48	0.035	0	0.087	0.219	0	0	0	---	---	0.398	1941
1942	---	---	0.139	0.604	0	1.84	0.139	0	0	0	---	---	0.310	1942
1943	---	---	6.81	0.567	0	0	0	0	0	0	---	---	0.831	1943
1944	---	---	0.005	0.078	0	0.015	0.321	0	0	0	---	---	0.062	1944
1945	---	---	0.740	0.021	0	0	0	0	0	0	---	---	0.093	1945
1946	---	---	1.83	0.050	0	0.057	0	0	0	0	---	---	0.220	1946
1947	---	---	2.35	3.13	0.018	0	0	0.234	0.084	0	---	---	0.607	1947
1948	---	---	0.329	3.58	0.412	0	0	0	0	0	---	---	0.532	1948
1949	---	---	0.084	0.261	0	0	0	0	0	0	---	---	0.060	1949
1950	---	---	0	2.25	0	0.057	0	0	0	0	---	---	0.283	1950
1951	---	---	0	4.47	1.35	0.105	0.001	0.587	0.337	0	---	---	0.649	1951
1952	---	---	0	11.0	0.307	0.002	0	0	0	0	0	---	1.39	1952
1953	---	---	0.218	0.684	0.782	0.044	0.002	0	0	0	---	---	0.327	1953
1954	---	---	0	0.600	0	0.188	0.007	0.101	0.099	0.026	---	---	0.155	1954
1955	---	---	0.452	6.41	1.86	0.029	1.84	0.011	0	0	---	---	1.32	1955
1956	---	---	0.238	1.27	0.014	0.138	0.781	0.031	0	0	---	---	0.306	1956
1957	---	---	0.596	2.39	0.043	0.019	0	0	0	0	---	---	0.371	1957
1958	---	---	0.598	5.77	0.004	0	0	0	0	0	---	---	0.905	1958
1959	---	---	2.40	0.857	0.001	0	0	0	0	0	---	---	0.385	1959
1960	---	---	3.40	0.183	0.087	0.004	0	0	0	0	---	---	0.540	1960
1961	---	---	0.140	0	0	0	0	0	0	0	---	---	0.018	1961
1962	---	---	0.847	0.293	0	0.192	0	0	0	0	---	---	0.185	1962
1963	---	0.985	0.713	0.190	0	0	0	0	0	0	---	---	0.211	1963
1964	---	---	0.258	0.837	0.139	0	0	0	0	0	---	---	0.194	1964
1965	---	---	0	4.78	0.415	3.58	0.682	0.001	0.182	0	---	---	1.19	1965
1966	---	---	3.12	0.299	0.002	0.187	0.068	0	0	0	---	---	0.334	1966
1967	---	---	0.040	7.05	3.87	0.044	0.001	0	0	0	---	---	1.36	1967
1968	---	---	0.088	0.001	0	0	0	0	0	0	---	---	0.013	1968
1969	---	---	0	4.38	0.005	0	0	0	0	0	---	---	0.937	1969
1970	---	---	0	1.16	0.036	0.341	0.080	0	0	0	---	---	0.196	1970
1971	---	---	0	2.36	0.031	0.070	0	0	0	0	---	---	0.304	1971
1972	---	---	3.28	0.037	0	0	0	0	0	0	---	---	0.294	1972
1973	---	---	0.141	0	0	0.073	0	0	0	0	---	---	0.027	1973
1974	---	---	0.089	1.41	0.497	0.004	0	0	0	0	---	---	0.269	1974
1975	---	---	0	3.71	1.29	1.07	0.006	0	0	0	---	---	0.833	1975
1976	---	---	2.17	0.217	0.001	0.279	0.006	0	0	0	---	---	0.327	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0.195	4.13	0.384	0.003	0.190	0	0.244	0	---	---	0.631	1978
1979	---	---	2.89	1.99	0.438	0.087	0	0	0	0	---	---	0.684	1979
1980	---	---	0.404	0.082	0	0	0	0	0	0	---	---	0.061	1980
1981	---	---	0.018	0	0.139	0	0.005	0	0	0	---	---	0.020	1981
1982	---	---	0	3.93	0.565	0.348	0	0	0	0	---	---	0.588	1982
1983	---	---	0.268	0	0.010	0	0.185	0	0	0	---	---	0.061	1983
1984	---	---	0.224	0.027	0	0	0	0	0	0	---	---	0.032	1984
1985	---	---	0.895	0.578	0.092	0	0	0	0.180	0.001	---	---	0.220	1985
1986	---	---	1.04	0.014	0.411	0.060	0.011	0	3.68	0.228	---	---	0.648	1986
MEAN	---	0.985	0.834	1.76	0.392	0.185	0.112	0.020	0.099	0.005	0	---	0.611	MEAN

LOCATION - LAT. 49 06 29 N
LONG 110 13 23 W
DRAINAGE AREA 456 km^2
NATURAL FLOW

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)							MAXIMUM DAILY DISCHARGE (m^3/s)				MINIMUM DAILY DISCHARGE (m^3/s)				TOTAL DISCHARGE (dam^3)	YEAR
1935					---			5.85	B	ON	MAR 14	0.0	ON	MAR 1	*	7 050	1935
1936	65.9	E				ON	APR 11	4.30	E	ON	APR 8	0	ON	MAR 1		3 080	1936
1937	99.1	E				ON	APR 11 *	23.2	E	ON	APR 11	0	ON	MAR 1		5 710	1937
1938	80.4	E				ON	MAR 27	23.3	E	ON	MAR 27	0	ON	MAR 1		9 670	1938
1939	69.6	E				ON	MAR 22	10.3	E	ON	MAR 18	0	ON	MAR 1		9 570	1939
1940	38.9					ON	APR 21	28.3		ON	APR 19	0	ON	MAR 1		15 100	1940
1941	33.4	B	AT	17	30 MST	ON	MAR 20	20.4	B	ON	MAR 20	0.0	ON	MAR 1		7 570	1941
1942					---			5.82		ON	JUN 5	0	ON	MAR 1		6 580	1942
1943	83.5	E				ON	MAR 29	75.7	E	ON	MAR 29 *	0	ON	MAR 1		19 700	1943
1944					---			0.806	E	ON	JUL 5	0	ON	MAR 1		1 110	1944
1945					---			1.35	E	ON	MAR 15	0	ON	MAR 1		2 030	1945
1946	7.93		AT	17	00 MST	ON	MAR 12	5.51		ON	MAR 13	0	ON	MAR 1		4 850	1946
1947	16.1	B	AT	15	30 MST	ON	MAR 29	12.4	B	ON	APR 1	0	ON	MAR 1		12 800	1947
1948	19.5		AT	15	30 MST	ON	APR 17	16.2		ON	APR 17	0.0	ON	MAR 1		11 300	1948
1949	1.56		AT	16	30 MST	ON	APR 2	1.31		ON	APR 2	0	ON	MAR 1		845	1949
1950	9.98		AT	13	00 MST	ON	APR 13	8.32		ON	APR 13	0	ON	MAR 1		5 990	1950
1951	21.3	B				ON	APR 5	17.5	B	ON	APR 5	0	ON	MAR 1		18 000	1951
1952	91.0		AT	06	00 MST	ON	APR 14	41.6		ON	APR 14	0.0	ON	MAR 1		29 300	1952
1953	18.3		AT	22	00 MST	ON	JUN 3	11.6		ON	JUN 3	0	ON	MAR 1		6 930	1953
1954	7.62		AT	06	00 MST	ON	AUG 28	4.90		ON	APR 7	0	ON	MAR 1		3 280	1954
1955	82.1		AT	18	00 MST	ON	APR 19	35.4		ON	APR 19	0	ON	MAR 1		27 900	1955
1956	9.97		AT	06	00 MST	ON	JUL 7	7.19		ON	JUL 7	0	ON	MAR 1		5 450	1956
1957	15.1		AT	05	00 MST	ON	APR 1	12.3		ON	APR 1	0	ON	MAR 1		7 850	1957
1958	49.0	B	AT	05	00 MST	ON	APR 5	43.6	B	ON	APR 5	0.0	ON	MAR 1		19 100	1958
1959	11.8		AT	12	00 MST	ON	MAR 27	9.97		ON	MAR 27	0	ON	MAR 1		8 130	1959
1960	17.8		AT	04	00 MST	ON	MAR 21	15.2		ON	MAR 21	0	ON	MAR 1		11 400	1960
1961	0.840		AT	21	30 MST	ON	MAR 18	0.484		ON	MAR 18	0.0	ON	MAR 12		378	1961
1962	8.55	B	AT	23	00 MST	ON	MAR 27	6.68	B	ON	MAR 27	0.0	ON	MAR 1		3 530	1962
1963	20.6		AT	07	00 MST	ON	JUL 5	13.6		ON	JUL 5	0	ON	APR 23		4 460	1963
1964	5.01	B	AT	11	00 MST	ON	MAR 19	4.30	B	ON	MAR 19	0.0	ON	MAR 1		3 280	1964
1965	41.3		AT	06	00 MST	ON	JUN 26	38.2		ON	JUN 26	0.0	ON	MAR 1		25 100	1965
1966	11.3	B				ON	MAR 17	8.72	B	ON	MAR 17	0.0	ON	MAR 1		7 070	1966
1967	27.0		AT	23	00 MST	ON	APR 11	24.0		ON	APR 11	0.0	ON	MAR 1		28 400	1967
1968	1.10		AT	16	00 MST	ON	MAR 3	0.544		ON	MAR 3	0	ON	MAR 1		257	1968
1969	33.8		AT	17	00 MST	ON	APR 4	26.3		ON	APR 4	0	ON	MAR 1		11 400	1969
1970	11.6		AT	01	00 MST	ON	APR 8	8.13		ON	APR 7	0	ON	MAR 1		4 140	1970
1971	10.3	B	AT	15	30 MST	ON	APR 7	8.83	B	ON	APR 7	0.0	ON	MAR 1		3 420	1971
1972	15.6		AT	06	30 MST	ON	MAR 17	15.2		ON	MAR 17	0.0	ON	MAR 1		8 230	1972
1973	2.85		AT	18	00 MST	ON	JUN 19	1.23		ON	JUN 19	0.0	ON	MAR 1		587	1973
1974	5.06		AT	22	45 MST	ON	MAY 22	4.36		ON	MAY 22	0.0	ON	MAR 1		5 270	1974
1975	23.8		AT	01	30 MST	ON	JUN 21	16.4		ON	MAY 7	0.0	ON	MAR 1		13 500	1975
1976	21.8	B	AT	01	00 MST	ON	MAR 19	14.2	B	ON	MAR 19	0.0	ON	MAR 1		7 130	1976
1977					---			0	E	ON	MAR 1	0.0	ON	MAR 1		0	1977
1978	15.3		AT	16	00 MST	ON	APR 8	15.0		ON	APR 8	0	ON	MAR 1		13 400	1978
1979					---			10.6	B	ON	MAR 18	0.0	ON	MAR 1		14 500	1979
1980					---			1.51	B	ON	MAR 20	0.0	ON	MAR 1		1 280	1980
1981	3.71		AT	06	35 MST	ON	MAY 18	2.88		ON	MAY 18	0	ON	MAR 15		415	1981
1982	16.3		AT	20	30 MST	ON	APR 14	14.2		ON	APR 15	0.0	ON	MAR 1		12 700	1982
1983	3.94		AT	15	10 MST	ON	JUL 22	2.64		ON	MAR 12	0	ON	MAR 28		1 300	1983
1984	3.46		AT	13	40 MST	ON	MAR 22	1.67		ON	MAR 22	0	ON	MAR 1		871	1984
1985	5.18		AT	10	35 MST	ON	MAR 18	4.77		ON	MAR 18	0	ON	MAR 1		4 820	1985
1986	74.2		AT	01	30 MST	ON	SEP 26	51.8		ON	SEP 26	0	ON	APR 10		13 700	1986
																8 690	MEAN

B - ICE CONDITIONS
E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SAGE CREEK NEAR INTERNATIONAL BOUNDARY - STATION NO 11AA027

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1946	---	---	0.183	0.033	0	0	0	0	0	0	---	---	0.027	1946
1947	---	---	0	0.100	0.017	0	0	0.010	0.014	0.001	---	---	0.017	1947
1948	---	---	0.032	0.361	0.326	0	0	0	0	0	---	---	0.055	1948
1949	---	---	0	0.053	0	0	0	0	0	0	---	---	0.007	1949
1950	---	---	0	0.129	0	0	0.005	0	0	0	---	---	0.015	1950
1951	---	---	0	0.119	0.148	0.100	0.014	0	0.446	0	---	---	0.102	1951
1952	---	---	0	0.142	0.161	0.002	0	0	0	0	---	---	0.036	1952
1953	---	---	0.034	0.112	0.347	0.395	0.001	0.003	0	0	---	---	0.111	1953
1954	---	---	0	0.166	0	0.074	0.015	0.038	0.115	0.047	---	---	0.056	1954
1955	---	---	0	0.189	0.576	0.114	0.274	0.010	0	0	---	---	0.159	1955
1956	---	---	0	0.270	0.006	0.024	0.289	0.007	0	0	---	---	0.072	1956
1957	---	---	0.147	0.423	0.051	0.012	0	0	0	0	---	---	0.078	1957
1958	---	---	0.035	0.803	0.005	0.009	0	0	0	0	---	---	0.080	1958
1959	---	---	0.078	0.273	0.002	0	0	0	0	0	---	---	0.044	1959
1960	---	---	0.113	0.021	0.170	0.014	0	0	0	0	---	---	0.040	1960
1961	---	---	0.144	0	0	0	0	0	0	0	---	---	0.018	1961
1962	---	---	0	0.185	0.001	0.047	0	0	0	0	---	---	0.028	1962
1963	---	0.218	0.088	0.038	0	0	0.189	0	0	0	---	---	0.027	1963
1964	---	---	0.101	0.270	0.004	0	0	0	0	0	---	---	0.046	1964
1965	---	---	0	0.135	0.200	0.378	0.505	0.015	0.129	0.005	---	---	0.183	1965
1966	---	---	0.348	0.322	0.001	0.104	0.048	0	0	0	---	---	0.102	1966
1967	---	---	0	0.385	0.351	0.855	0	0	0	0	---	---	0.098	1967
1968	---	---	0.080	0.001	0	0	0	0	0	0	---	---	0.010	1968
1969	---	---	0	0.410	0.010	0	0	0	0	0	---	---	0.051	1969
1970	---	---	0	0.086	0.013	0.021	0.001	0	0	0	---	---	0.015	1970
1971	---	---	0	0.166	0.007	0.003	0	0	0	0	---	---	0.022	1971
1972	---	---	0.197	0.021	0	0	0	0	0	0	---	---	0.028	1972
1973	---	---	0.087	0	0	0.008	0	0	0	0	---	---	0.012	1973
1974	---	---	0	0.178	0.204	0.006	0	0	0	0	---	---	0.048	1974
1975	---	---	0	0.295	0.458	0.222	0.036	0	0	0	---	---	0.126	1975
1976	---	---	0.241	0.202	0.001	0.137	0.041	0	0	0	---	---	0.077	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0	0.798	0.343	0.010	0.175	0	0.145	0.005	---	---	0.183	1978
1979	---	---	0	0.590	0.283	0.074	0.002	0	0	0	---	---	0.117	1979
1980	---	---	0.104	0.108	0	0	0	0	0	0	---	---	0.026	1980
1981	---	---	0.019	0.004	0.078	0	0	0	0	0	---	---	0.013	1981
1982	---	---	0	0.287	0.425	0.245	0	0	0	0	---	---	0.119	1982
1983	---	---	0.136	0.001	0	0	0.065	0	0	0	---	---	0.026	1983
MEAN	---	0.218	0.057	0.196	0.110	0.054	0.048	0.002	0.022	0.002	---	---	0.061	MEAN

LOCATION - LAT 49 00 10 N DRAINAGE AREA 591 km² INTERNATIONAL GAUGING STATION
LONG 110 11 30 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1963

SAGE CREEK NEAR INTERNATIONAL BOUNDARY - STATION NO 11AA027

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1946	---	0.552 ON MAR 23	0 ON MAR 1 *	577	1946
1947	---	0.334 ON APR 18	0 ON MAR 1	365	1947
1948	---	1.08 E ON MAY 1	0 ON MAR 1	1 850	1948
1949	---	0.173 ON APR 7	0 ON MAR 1	138	1949
1950	---	0.823 ON APR 18	0 ON MAR 1	348	1950
1951	---	1.47 ON SEP 3	0 ON MAR 1	2 180	1951
1952	0.872 AT 18:00 MST ON MAY 15	0.722 ON MAY 15	0 ON MAR 1	804	1952
1953	1.03 AT 18:30 MST ON MAY 23	1.02 ON JUN 5	0 ON MAR 1	2 350	1953
1954	0.780 AT 13:00 MST ON APR 6	0.617 ON AUG 31	0 ON MAR 1	1 190	1954
1955	1.40 ON MAY 15	1.39 ON MAY 15	0B ON MAR 1	3 350	1955
1956	---	0.991 ON APR 11	0 ON MAR 1	1 520	1956
1957	---	1.15 ON MAR 28	0 ON MAR 1	1 660	1957
1958	---	1.08 ON APR 1	0 ON MAR 1	1 690	1958
1959	---	0.736 ON APR 7	0 ON MAR 1	922	1959
1960	---	1.08 ON MAY 26	0 ON MAR 1	849	1960
1961	---	0.425 ON MAR 19	0 ON MAR 30	385	1961
1962	---	0.678 ON APR 7	0 ON MAR 1	555	1962
1963	---	0.753 ON JUL 7	0 ON MAY 2	785	1963
1964	1.10 B AT 11:00 MST ON MAR 21	0.908 ON APR 8	0 ON MAR 1	984	1964
1965	1.33 AT 05:00 MST ON APR 29	1.30 ON APR 29	0 ON MAR 1	3 670	1965
1966	1.02 AT 08:30 MST ON APR 2	0.991 ON APR 2	0B ON MAR 1	2 170	1966
1967	1.39 AT 21:00 MST ON APR 11	1.16 ON APR 12	0 ON MAR 1	2 080	1967
1968	0.823 AT 22:30 MST ON MAR 7	0.453 ON MAR 8	0 ON MAR 1	215	1968
1969	1.02 AT 01:00 MST ON APR 9	0.983 ON APR 9	0B ON MAR 1	1 080	1969
1970	0.851 AT 18:30 MST ON APR 7	0.536 ON APR 7	0 ON MAR 1	313	1970
1971	---	0.3688 ON APR 13	0B ON MAR 1	458	1971
1972	0.906 AT 12:45 MST ON MAR 20	0.793 ON MAR 20	0 ON MAR 1	582	1972
1973	0.425 ET 13:00 MST ON MAR 13	0.340 ON MAR 16	0 ON MAR 1	253	1973
1974	---	0.785 ON MAY 23	0 ON MAR 1	1 030	1974
1975	---	1.08 ON APR 23	0 ON MAR 1	2 660	1975
1976	1.27 B AT 08:00 MST ON MAR 27	1.08 B ON MAR 26	0B ON MAR 1	1 940	1976
1977	---	0 ON MAR 1	0 ON MAR 1	0	1977
1978	1.87 B AT 08:00 MST ON APR 12 *	1.78 B ON APR 12 *	0B ON MAR 1	3 670	1978
1979	1.27 B AT 18:00 MST ON APR 12	1.22 ON APR 19	0 ON MAR 1	2 490	1979
1980	0.574 AT 21:00 MST ON APR 1	0.481 ON APR 2	0 ON MAR 1	561	1980
1981	1.37 AT 19:00 MDT ON MAY 19	1.08 ON MAY 19	0 ON MAR 21	288	1981
1982	1.42 AT 06:00 MDT ON MAY 31	1.41 ON MAY 31	0B ON MAR 1	2 520	1982
1983	0.898 AT 19:30 MST ON JUL 24	0.727 ON JUL 24	0 ON APR 13	544	1983
				1 290	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

SAKWATAMAU RIVER NEAR WHITECOURT - STATION NO 07AH003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	---	3.17	2.87	---	---	---	1972
1973	---	---	1.05	8.06	17.1	17.9	5.50	5.09	3.47	4.62	---	---	8.21	1973
1974	---	---	0.850	31.5	33.8	5.18	9.38	2.05	2.47	2.25	---	---	9.88	1974
1975	---	---	0.738	4.35	11.0	12.4	10.2	5.06	7.41	3.46	---	---	5.82	1975
1976	---	---	0.820	15.1	8.88	11.4	12.2	17.9	7.28	3.80	---	---	9.85	1976
1977	---	---	1.17	13.8	31.5	14.6	14.7	4.03	3.86	3.73	---	---	10.9	1977
1978	---	---	0.800	7.82	9.20	14.1	7.82	3.12	11.2	5.10	---	---	7.33	1978
1979	---	---	0.870	3.53	31.7	30.9	38.5	4.50	1.95	1.92	---	---	14.2	1979
1980	---	---	0.583	10.8	8.63	13.5	8.84	4.14	5.91	3.43	---	---	7.11	1980
1981	---	---	1.03	8.10	9.73	10.5	6.38	1.79	0.817	1.10	---	---	4.88	1981
1982	---	---	0.558	2.07	19.6	3.07	12.7	10.8	3.03	1.75	---	---	6.77	1982
1983	---	---	0.426	3.52	3.95	17.8	25.9	4.92	2.81	2.54	---	---	7.74	1983
1984	---	---	0.807	5.77	16.7	17.9	4.91	2.79	4.85	2.86	---	---	7.02	1984
1985	---	---	1.30	6.41	16.6	14.1	3.52	2.53	12.2	8.37	---	---	8.09	1985
1986	---	---	0.773	12.2	22.5	9.04	13.9	5.48	3.83	3.27	---	---	9.61	1986
MEAN	---	---	0.835	8.78	17.2	13.8	12.3	5.89	5.01	3.74	---	---	8.41	MEAN

LOCATION - LAT 54 12 05 N LONG 115 46 40 W
DRAINAGE AREA, 440 km²
NATURAL FLOW

SAKWATAMAU RIVER NEAR WHITECOURT - STATION NO 07AH003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1972	---	---	---	---	1972
1973	65.4 AT 11 00 MST ON JUN 17	61.7 ON JUN 17	0.8508 ON MAR 1	174 000	1973
1974	60.1 AT 11 40 MST ON APR 30	74.3 ON APR 27	0.7458 ON APR 10	205 000	1974
1975	101 AT 21 30 MST ON JUN 28	80.4 ON JUN 29	0.8948 ON MAR 1	144 000	1975
1976	88.3 AT 18 30 MST ON AUG 18	48.1 ON AUG 27	0.7938 ON MAR 1	204 000	1976
1977	101 AT 04 00 MST ON MAY 30	94.6 ON MAY 30	1.12 E ON MAR 10	331 000	1977
1978	87.8 AT 17 15 MST ON JUN 15	71.8 ON JUN 15	0.7458 ON MAR 3	155 000	1978
1979	---	145 E ON JUL 13 *	0.4348 ON MAR 1	301 000	1979
1980	34.5 AT 23 30 MST ON MAY 28	32.5 ON MAY 29	0.3108 ON MAR 5	151 000	1980
1981	50.1 AT 15 00 MST ON JUN 1	43.3 ON JUN 1	0.358 ON AUG 28	98 800	1981
1982	81.6 AT 18 00 MST ON AUG 4	47.8 ON AUG 4	0.3308 ON MAR 1	143 000	1982
1983	82.6 AT 16 50 MST ON JUN 26	83.6 ON JUN 26	0.2958 ON MAR 22 *	184 000	1983
1984	107 AT 07 05 MST ON JUN 8	99.2 ON JUN 8	0.4208 ON MAR 13	149 000	1984
1985	125 AT 09 45 MST ON JUN 25 *	108 ON JUN 25	0.7408 ON MAR 1	171 000	1985
1986	81.6 AT 03 45 MST ON JUL 19	53.2 ON JUL 19	0.8008 ON MAR 1	203 000	1986
				178 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SALT CREEK NEAR GROUARD - STATION NO 07BF008

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1985	---	---	0.339	1.84	1.88	0.394	0.858	0.110	0.018	0.133	---	---	0.841	1985
MEAN	---	---	0.339	1.84	1.88	0.394	0.858	0.110	0.018	0.133	---	---	0.841	MEAN

LOCATION - LAT 55 38 38 N LONG 116 08 37 W
DRAINAGE AREA, 426 km²
NATURAL FLOW

SALT CREEK NEAR GROUARD - STATION NO 07BF008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1985	6.53 AT 07 00 MST ON JUL 17 *	3.77 ON JUL 17 *	0.004 04 SEP 3 *	13 800	1985
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		13 800	MEAN

SALT RIVER BELOW PEACE POINT HIGHWAY - STATION NO 07NB007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	0	0	0	1.46	0.748	0.039	1.75	0.674	1.28	1.83	0.437	0.061	0.708	1973
1974	0.002	0	0	10.5	5.01	1.80	1.54	0.206	0.128	0.178	0.181	0.037	1.70	1974
1975	0.003	0	0	1.97	1.44	0.991	0.122	0.258	1.18	1.10	0.447	0.032	0.830	1975
1976	0.004	0	0.001	9.80	2.10	0.384	0.780	0.867	0.243	0.188	0.073	0.012	1.17	1976
1977	0	0	0	2.58	0.885	7.41	2.44	1.83	1.13	0.880	0.270	0.023	1.41	1977
1978	0.001	0	0	0.578	2.48	0.717	0.111	0.027	0.239	0.425	0.145	0	0.386	1978
1979	0	0	0	0.030	3.50	0.718	0.048	0.011	0.006	0.052	0.031	0.004	0.372	1979
1980	0	0	0	1.01	0.052	0.039	0.386	0.052	0.026	0.027	0.033	0	0.124	1980
MEAN	0.001	0	0	3.48	2.13	1.47	0.883	0.453	0.527	0.580	0.201	0.018	0.813	MEAN

LOCATION - LAT 59 50 00 N LONG 111 58 10 W
DRAINAGE AREA, 821 km²
NATURAL FLOW

SALT RIVER BELOW PEACE POINT HIGHWAY - STATION NO 07NB001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	8.95 AT 04 45 MST ON JUL 10	7.70 ON JUL 10	00 ON JAN 1 e	22 300	1973
1974	---	39.4 ON APR 24 e	00 ON JAN 13	53 600	1974
1975	---	5.928 ON APR 21	00 ON JAN 20	19 800	1975
1976	29.7 B AT 17 15 MST ON APR 15	28.3 B ON APR 15	00 ON JAN 19	38 900	1976
1977	36.0 AT 12 00 MST ON JUN 10 e	33.1 ON JUN 10	00 ON JAN 9	44 800	1977
1978	---	7.420 ON MAY 1	00 ON JAN 5	12 500	1978
1979	---	12.5 B ON MAY 11	00 ON JAN 1	11 700	1979
1980	---	4.09 ON APR 15	00 ON JAN 1	3 930	1980
	B - ICE CONDITIONS	e - EXTREME RECORDED FOR THE PERIOD OF RECORD		25 600	MEAN

SAM LAKE TRIBUTARY NEAR SCHULER - STATION NO 05AH047

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR FEB TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	---	---	---	---	0	0	0	---	---	---	1982
1983	---	0.087	0	0	0	0	0	0	0	0	---	---	0.007	1983
1984	---	0	0	0	0	0	0	0	0	0	---	---	0	1984
1985	---	0	0.145	0.001	0	0	0	0	0	0	---	---	0.017	1985
1986	---	0.001	0	0	0	0	0	0	0	0	---	---	0	1986
MEAN	---	0.017	0.036	0	0	0	0	0	0	0	---	---	0.006	MEAN

LOCATION - LAT 50 09 48 N
LONG 110 15 39 W NATURAL FLOW

SAM LAKE TRIBUTARY NEAR SCHULER - STATION NO 05AH047

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR FEB TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	---	---	0 ON JUL 22 e	---	1982
1983	---	0.4608 ON FEB 19	00 ON FEB 1	101	1983
1984	---	0 B ON FEB 1	00 ON FEB 1	0	1984
1985	2.14 AT 10 05 MST ON MAR 19 e	1.37 ON MAR 19 e	00 ON FEB 1	302	1985
1986	0.0558 AT 01 17 MST ON FEB 25	0.0248 ON FEB 25	00 ON FEB 1	3.02	1986
	B - ICE CONDITIONS	e - EXTREME RECORDED FOR THE PERIOD OF RECORD		139	MEAN

SAND RIVER NEAR THE MOUTH - STATION NO 06AB001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	---	---	2.71	---	---	---	---	1967
1968	---	---	---	---	---	3.47	2.57	4.36	---	---	---	---	---	1968
1969	---	---	1.82	34.2	26.6	12.6	7.80	9.78	6.57	19.6	---	---	15.2	1969
1970	---	---	2.45	19.3	19.4	13.8	101	38.1	40.1	31.4	---	---	32.9	1970
1971	---	---	4.36	43.5	35.6	27.6	78.6	20.0	8.61	8.71	---	---	28.1	1971
1972	---	---	2.68	13.4	38.9	8.23	4.19	3.20	2.60	4.82	---	---	9.81	1972
1973	---	---	1.18	8.00	12.1	35.4	28.6	42.0	40.2	33.3	---	---	24.9	1973
1974	---	---	3.85	58.4	127	32.7	19.8	10.8	14.8	12.2	---	---	34.5	1974
1975	---	---	3.35	13.3	44.8	36.2	51.8	20.5	15.1	10.7	---	---	24.5	1975
1976	---	---	3.11	15.0	7.61	14.0	55.5	19.7	20.6	10.4	---	---	18.2	1976
1977	---	---	2.47	10.7	12.5	14.6	10.8	11.5	8.74	8.58	---	---	9.84	1977
1978	---	---	2.61	10.4	25.5	32.0	8.54	5.08	13.6	13.7	---	---	13.9	1978
1979	---	---	2.83	6.00	29.1	42.6	20.0	8.48	12.4	8.71	---	---	15.6	1979
1980	---	---	2.10	10.6	7.00	3.85	2.90	26.5	26.4	21.1	---	---	12.8	1980
1981	---	---	2.81	10.6	7.65	6.74	31.3	5.44	2.74	3.29	---	---	7.44	1981
1982	---	---	0.872	8.21	31.3	9.26	8.93	5.68	3.42	2.69	---	---	7.55	1982
1983	---	---	1.45	8.74	7.19	5.83	11.3	5.23	3.82	4.41	---	---	6.13	1983
1984	---	---	1.48	8.80	16.3	26.0	9.26	4.35	5.33	7.35	---	---	9.77	1984
1985	---	---	2.37	15.6	56.1	15.4	6.94	2.63	2.04	2.78	---	---	13.3	1985
1986	---	---	1.56	7.59	12.5	5.22	31.0	23.9	4.59	3.67	---	---	11.7	1986
MEAN	---	---	2.47	15.9	28.1	16.5	25.2	14.0	13.8	11.3	---	---	16.5	MEAN

LOCATION - LAT 54 28 15 N DRAINAGE AREA, 4 910 km^2
LONG 111 11 03 W NATURAL FLOW

SAND RIVER NEAR THE MOUTH - STATION NO 06AB001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	---	---	1967
1968	---	---	---	---	1968
1969	---	67.4 ON APR 22	0.8508 ON MAR 1	322 000	1969
1970	161 AT 17 38 MST ON JUL 7	159 ON JUL 7	2.27 B ON MAR 1	898 000	1970
1971	115 AT 09 00 MST ON APR 27	114 ON APR 26	3.68 B ON MAR 5	595 000	1971
1972	67.7 AT 15 00 MST ON MAY 3	67.4 ON MAY 1	1.78 ON SEP 13	207 000	1972
1973	89.4 AT 22 30 MST ON AUG 30	89.1 ON AUG 31	0.8508 ON MAR 1	528 000	1973
1974	191 AT 11 00 MST ON APR 27 *	190 ON APR 27 *	3.68 B ON MAR 1	731 000	1974
1975	84.1 AT 20 00 MST ON JUL 6	83.0 ON JUL 6	3.23 B ON MAR 22	519 000	1975
1976	103 AT 13 30 MST ON JUL 18	97.7 ON JUL 18	2.97 B ON MAR 14	385 000	1976
1977	---	25.58 ON APR 18	2.26 B ON MAR 22	210 000	1977
1978	57.2 AT 17 00 MST ON JUN 2	56.6 ON MAY 31	2.19 B ON MAR 1	294 000	1978
1979	57.0 AT 23 20 MST ON JUN 17	57.0 ON JUN 17	2.89 B ON MAR 1	348 000	1979
1980	42.9 AT 16 20 MST ON AUG 14	42.8 ON AUG 15	1.97 B ON MAR 1	271 000	1980
1981	34.8 AT 10 50 MST ON JUL 14	34.8 ON JUL 14	1.50 B ON OCT 31	158 000	1981
1982	---	42.0A ON APR 29	0.7788 ON MAR 1 *	180 000	1982
1983	---	17.7 ON APR 21	1.35 B ON MAR 1	130 000	1983
1984	48.7 AT 03 26 MST ON JUN 5	48.4 ON JUN 5	1.23 B ON MAR 1	207 000	1984
1985	83.5 AT 14 32 MST ON MAY 12	83.3 ON MAY 12	1.70 ON AUG 30	281 000	1985
1986	89.8 AT 18 47 MST ON JUL 23	89.3 ON JUL 23	1.25 B ON MAR 6	248 000	1986
				350 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SAULTEAUX RIVER NEAR SPURFIELD - STATION NO 07BK005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1923	---	---	---	---	---	5.75	11.5	4.28	3.31	2.55	---	---	---	1923
1924	---	---	---	---	---	---	3.84	11.0	9.00	8.80	---	---	---	1924
1925	---	---	---	---	26.4	12.1	6.19	---	2.74	---	---	---	---	1925
1926	---	---	---	---	---	38.8	39.4	10.8	9.57	5.75	---	---	---	1926
1927	---	---	---	---	9.91	25.1	9.68	7.36	9.48	5.37	---	---	---	1927
1928	---	---	---	---	---	---	4.25	7.92	24.1	14.8	---	---	---	1928
1970	---	---	0.439	23.9	21.6	15.5	18.2	6.07	4.17	2.70	---	---	11.7	1970
1971	---	---	0.281	21.7	19.6	30.1	88.1	16.3	3.85	2.53	---	---	22.8	1971
1972	---	---	0.334	18.6	54.5	31.4	24.3	12.6	3.72	4.93	---	---	18.6	1972
1973	---	---	0.443	7.83	24.2	36.8	15.9	9.50	6.12	10.6	---	---	13.9	1973
1974	---	---	0.811	53.5	98.2	15.7	21.4	5.71	4.78	4.02	---	---	35.5	1974
1975	---	---	0.413	8.89	26.2	15.1	32.5	13.0	15.0	4.76	---	---	14.6	1975
1976	---	---	0.338	20.6	9.15	9.57	18.6	22.5	24.3	7.06	---	---	14.0	1976
1977	---	---	0.709	16.4	33.8	39.5	37.5	8.89	8.12	5.85	---	---	18.8	1977
1978	---	---	0.268	10.9	25.6	14.0	10.3	10.4	40.5	14.4	---	---	15.7	1978
1979	---	---	0.728	9.88	47.9	38.3	76.4	25.2	4.05	1.77	---	---	25.8	1979
1980	---	---	0.131	5.32	3.30	6.80	12.9	13.7	18.0	8.83	---	---	8.88	1980
1981	---	---	0.593	12.7	11.8	18.2	14.5	5.07	0.898	1.77	---	---	7.91	1981
1982	---	---	0.067	6.79	17.6	3.20	18.7	16.9	4.11	1.69	---	---	8.43	1982
1983	---	---	0.101	2.20	3.04	17.0	73.9	18.9	3.83	3.24	---	---	16.4	1983
1984	---	---	0.382	3.81	6.40	34.6	8.77	2.40	5.18	3.72	---	---	8.21	1984
1985	---	---	0.328	8.89	18.3	12.6	6.56	1.88	7.74	9.18	---	---	8.11	1985
1986	---	---	0.178	12.6	26.3	9.82	24.2	8.03	1.24	6.15	---	---	11.1	1986
MEAN	---	---	0.383	14.3	25.6	20.6	25.2	10.8	9.28	5.85	---	---	14.7	MEAN

LOCATION - LAT 55 09 20 N, LONG 114 14 10 W DRAINAGE AREA, 2 800 km^2, NATURAL FLOW

SAULTEAUX RIVER NEAR SPURFIELD - STATION NO 07BK005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1923	---	---	---	---	
1924	---	---	---	---	1923
			---	---	1924
1925	---	---	---		
1926	---	55.5 ON JUN 16	---	---	1925
1927	---	34.3 ON JUN 12	---	---	1926
			---	---	1927
1969	---	---	---	---	
			---	---	1969
1970	---	80.88 ON APR 21			
1971	175 AT 23:00 MST ON JUL 10	173 ON JUL 10	0.3118 ON MAR 5	347 000	1970
1972	78.4 AT 07:30 MST ON MAY 1	78.2 ON MAY 1	0.1538 ON MAR 14	483 000	1971
1973	84.6 AT 15:30 MST ON JUN 19	83.7 ON JUN 19	0.2448 ON MAR 15	394 000	1972
1974	182 AT 21:00 MST ON APR 30 *	181 ON APR 30 *	0.3888 ON MAR 18	294 000	1973
			0.7258 ON MAR 16	541 000	1974
1975	89.2 AT 18:30 MST ON JUL 2	88.9 ON JUL 2	0.3718 ON MAR 26	309 000	1975
1976	81.0 AT 15:00 MST ON AUG 30	80.1 ON AUG 30	0.2898 ON MAR 15	295 000	1976
1977	84.4 AT 20:00 MST ON JUN 5	84.1 ON JUN 5	0.5928 ON MAR 26	388 000	1977
1978	97.4 AT 00:30 MST ON SEP 22	86.6 ON SEP 21	0.2248 ON MAR 3	333 000	1978
1979	110 AT 21:00 MST ON JUL 7	109 ON JUL 7	0.3508 ON MAR 1	545 000	1979
1980	38.2 AT 21:30 MST ON SEP 19	37.4 ON SEP 19	0.1198 ON MAR 15	182 000	1980
1981	34.9 AT 09:00 MST ON JUL 25	34.8E ON JUL 25	0.2458 ON MAR 6	167 000	1981
1982	47.7 AT 12:59 MST ON AUG 6	46.6 ON AUG 6	0.0629 ON MAR 13	178 000	1982
1983	89.5 AT 15:15 MST ON JUL 21	88.0E ON JUL 31	0.0948 ON MAR 7	326 000	1983
1984	78.5 AT 14:00 MST ON JUN 12	77.8 ON JUN 12	0.1678 ON MAR 17	174 000	1984
1985	83.3 AT 15:00 MST ON JUN 27	81.9 ON JUN 27	0.0058 ON MAR 7 *	172 000	1985
1986	78.3 AT 15:00 MST ON JUL 21	74.2 ON JUL 21	0.1238 ON MAR 1	235 000	1986
				310 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SAWRIDGE CREEK NEAR SLAVE LAKE - STATION NO 07BK009

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	0.178	3.78	2.73	2.68	4.26	4.81	2.84	1.41	---	---	2.83	1976
1977	---	---	0.266	4.67	5.64	3.82	4.78	1.49	1.41	1.92	---	---	2.96	1977
1978	---	---	0.153	3.62	3.85	2.16	0.582	0.433	5.57	1.03	---	---	2.14	1978
1979	---	---	0.167	1.18	9.18	7.85	5.45	1.46	0.620	0.209	---	---	3.77	1979
1980	---	---	0.083	1.66	1.35	1.80	1.23	3.31	4.15	1.36	---	---	1.85	1980
1981	---	---	0.535	2.87	2.84	1.89	1.55	0.380	0.274	0.402	---	---	1.29	1981
1982	---	---	0.023	0.861	4.27	0.873	3.24	3.88	0.589	0.425	---	---	1.73	1982
1983	---	---	0.007	0.888	1.31	5.89	10.5	2.08	0.946	0.937	---	---	2.92	1983
1984	---	---	0.193	1.26	2.46	4.80	2.03	0.861	2.88	1.18	---	---	1.92	1984
1985	---	---	0.029	2.39	5.70	3.83	1.04	0.383	3.13	2.82	---	---	2.51	1985
1986	---	---	0.406	2.71	5.46	2.74	7.21	1.88	0.830	1.83	---	---	2.84	1986
MEAN	---	---	0.183	2.31	4.13	3.86	4.17	1.84	2.12	1.19	---	---	2.43	MEAN

LOCATION - LAT 55 17 00 N
LONG 114 46 30 W
DRAINAGE AREA, 233 km^2
NATURAL FLOW

SAWRIDGE CREEK NEAR SLAVE LAKE - STATION NO 07BK009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1976	37.4 AT 19:30 MST ON AUG 28	20.6 ON AUG 27	0.0459 ON MAR 3	60 000	1976
1977	39.1 AT 22:30 MST ON JUL 6	25.8 ON JUL 7	0.1935 ON MAR 22	82 800	1977
1978	58.3 AT 13:30 MST ON SEP 17	45.8 ON SEP 17	0.0488 ON MAR 5	45 300	1978
1979	79.8A AT 18:00 MST ON JUL 1	55.7 A ON JUN 14	0.0808 ON MAR 1	79 800	1979
1980	23.0 AT 01:00 MST ON AUG 6	16.3 ON AUG 6	0.0188 ON MAR 3	39 300	1980
1981	13.1 AT 00:30 MST ON APR 26	8.72 ON APR 25	0.0828 ON MAR 7	27 300	1981
1982	22.8 AT 07:09 MST ON AUG 4	20.7 ON AUG 4	0.0208 ON MAR 1	36 800	1982
1983	102 AT 23:00 MST ON JUN 25 *	57.1 ON JUL 27	0 B ON MAR 1 *	81 800	1983
1984	32.1 AT 18:30 MST ON JUN 7	21.9 ON JUN 7	0.0788 ON MAR 18	40 800	1984
1985	43.7 AT 23:00 MST ON JUN 24	33.9 ON JUN 25	0 B ON MAR 1	53 200	1985
1986	73.7 AT 10:00 MST ON JUL 18	59.9 ON JUL 18 *	0.2448 ON MAR 18	80 100	1986
				51 500	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SEVEN PERSONS CREEK AT MEDICINE HAT · STATION NO 05AH005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	---	---	---	---	0.040	0.037	0.032	---	---	---	1912
1913	---	---	---	---	0.145	0.008	---	---	---	---	---	---	---	1913
1914	---	---	---	0.981	0.017	---	---	---	---	---	---	---	---	1914
1915	---	---	---	2.17	0.107	0.124	0.032	0.014	0.016	0.023	---	---	0.052	1915
1916	---	---	7.72	0.289	0.089	2.35	2.28	0.914	0.136	0.145	---	---	0.883	1916
1917	---	---	---	9.41	1.84	0.281	0.003	0	0	0	---	---	0.305	1917
1919	---	---	0.005	0.089	0.026	0.001	0	0	0	0	---	---	0.005	1919
1920	---	0	2.90	3.49	1.13	0.006	0.001	0	0	0.004	---	---	0.192	1920
1921	---	0.837	1.38	4.71	0.704	0.012	0.004	0	0.005	0.007	---	---	0.123	1921
1922	---	---	1.76	9.20	1.33	0.007	0.002	0	0	0.001	---	---	0.225	1922
1923	---	0.004	0.063	0.348	0.014	0.278	0.028	0.012	0	0.005	---	---	0.055	1923
1924	---	0.010	0.005	0.005	0	0	0	0.020	0	0.050	---	---	0.012	1924
1925	---	0.054	2.01	4.53	0.237	0.013	0.002	0.003	0.035	0.180	---	---	0.076	1925
1926	---	0.012	1.12	0.081	0.025	0.013	0.001	0.002	0.004	0.034	---	---	0.014	1926
1927	---	0.004	0.251	5.28	6.23	3.33	1.39	0.287	0.055	0.014	---	---	1.88	1927
1928	---	---	15.7	5.97	0.141	0.064	0.306	0.029	0.015	0.027	---	---	0.097	1928
1929	---	0	0.270	0.259	0.123	0.019	0.004	0	0.003	0.007	---	---	0.026	1929
1930	---	0.348	0.194	0.048	0.008	0.002	0	0	0.002	0.004	---	---	0.002	1930
1931	---	0.015	0.030	0.017	---	---	---	---	---	---	---	---	---	1931
1935	---	---	---	4.05	1.32	0.004	0	---	---	---	---	---	---	1935
1936	---	---	2.85	2.56	0.400	0.004	0	0	0	0	---	---	0.088	1936
1937	---	---	0.013	0.009	0.011	0.002	---	---	---	---	---	---	---	1937
1938	---	---	1.13	1.23	0.296	0.021	---	---	---	---	---	---	---	1938
1939	---	---	2.42	0.485	0.228	0.042	---	---	---	---	---	---	---	1939
1940	---	---	0.006	0.910	0.984	0.020	---	---	---	---	---	---	---	1940
1941	---	---	2.94	0.318	0.009	0.007	---	---	---	---	---	---	---	1941
1942	---	---	0.015	0.038	0.032	0.024	---	---	---	---	---	---	---	1942
1943	---	---	4.85	2.87	0.015	0.006	---	---	---	---	---	---	---	1943
1944	---	---	0.015	0.020	0.003	0.002	---	---	---	---	---	---	---	1944
1945	---	---	0.325	0.014	0.007	0.003	---	---	---	---	---	---	---	1945
1946	---	---	0.049	0.011	0.003	0.002	---	---	---	---	---	---	---	1946
1947	---	0.189	7.89	5.95	0.277	0.049	---	---	---	---	---	---	---	1947
1948	---	---	4.85	7.55	1.84	0.005	---	---	---	---	---	---	---	1948
1949	---	---	0.010	0.010	0.006	0.001	---	---	---	---	---	---	---	1949
1950	---	---	0.078	0.041	0.001	0	---	---	---	---	---	---	---	1950
1951	---	---	1.29	10.6	2.23	0.565	---	---	---	---	---	---	---	1951
1952	---	0.719	9.73	31.4	0.402	0.025	---	---	---	---	---	---	---	1952
1953	---	---	0.398	2.42	2.09	2.71	---	---	---	---	---	---	---	1953
1954	---	0.010	0.020	0.802	0.054	0.023	---	---	---	---	---	---	---	1954
1955	---	---	0.980	7.49	2.10	0.305	---	---	---	---	---	---	---	1955
1956	---	---	1.11	0.338	0.029	0.016	0.020	0.156	0.156	0.082	---	---	0.076	1956
1973	---	---	---	---	0.343	1.50	1.05	1.24	0.533	0.477	---	---	0.855	1973
1974	---	---	---	---	0.197	1.27	1.15	0.931	0.418	0.429	0.082	---	0.732	1974
1975	---	---	---	---	1.32	0.615	0.938	1.32	0.639	0.715	0.237	---	0.959	1975
1976	---	---	---	---	0.426	1.48	1.85	0.859	0.618	1.08	---	---	1.02	1976
1977	---	---	---	---	0.938	1.32	1.39	0.947	0.504	0.691	---	---	0.865	1977
1978	---	---	---	---	0.195	0.405	1.47	---	---	---	---	---	---	1978
1979	---	---	---	---	0.578	1.89	1.57	1.22	0.893	0.746	---	---	1.11	1979
1980	---	---	---	---	0.859	1.26	1.32	1.35	0.973	0.883	---	---	1.10	1980
1981	---	---	---	---	0.928	1.91	1.73	1.58	1.48	0.858	---	---	1.41	1981
1982	---	---	---	---	0.574	1.78	2.02	2.06	1.45	0.892	---	---	1.45	1982
1983	---	---	---	---	0.327	1.68	2.37	1.57	1.09	0.812	---	---	1.27	1983
1984	---	---	---	---	0.880	1.81	1.81	1.58	1.35	0.530	---	---	1.29	1984
1985	---	---	---	---	0.881	1.83	1.99	1.47	0.832	0.522	---	---	1.17	1985
1986	---	---	---	---	0.590	1.85	2.20	1.87	2.49	1.41	---	---	1.88	1986
MEAN	---	0.189	2.11	3.28	0.617	0.579	0.835	0.829	0.462	0.338	0.180	---	0.841	MEAN

LOCATION - LAT 50 01 25 N DRAINAGE AREA, 3 270 km²
LONG 110 41 02 W REGULATED SINCE 1955

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1930

SEVEN PERSONS CREEK AT MEDICINE HAT - STATION NO. 05AH005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	---			
1913	---	0.317 ON MAY 14	0 ON JUL 24 *	---	1912
1914	---	0.085 ON MAY 1	0 ON JUN 1	---	1913
			0 ON MAY 20	---	1914
1915	---	0.496 ON JUN 5	0.002 ON JUL 10	834	1915
1916	---	10.4 ON JUL 8	0.007 ON MAY 28	15 600	1916
1917	---	3.43 ON MAY 7	0 ON JUN 19	4 860	1917
1918	---	0.142 ON MAY 2	0 ON MAY 18	73.3	1918
1920	---	4.28 ON MAY 3	0 ON JUL 16	3 080	1920
1921	---	2.10 ON MAY 3	0 ON JUL 21	1 980	1921
1922	---	5.75 ON MAY 1	0 ON JUL 29	3 590	1922
1923	---	1.81 ON JUN 17	0 ON SEP 2	881	1923
1924	---	0.309 ON OCT 12	0 ON MAY 1	189	1924
1925	---	1.59 ON MAY 1	0 ON JUL 3	1 200	1925
1926	---	0.181 ON OCT 18	0 ON MAY 1	222	1926
1927	---	20.9 ON MAY 30 *	0 ON SEP 4	30 000	1927
1928	---	4.30 ON JUL 2	0 ON MAY 28	1 550	1928
1929	---	0.343 ON MAY 4	0 ON JUL 17	415	1929
1930	---	0.017 ON MAY 4	0 ON JUN 2	35.7	1930
1931	---	---	---	---	1931
1935	---	3.68 ON MAY 12	0 ON JUN 3	---	1936
1936	---	1.50 ON MAY 5	0 ON MAY 28	1 080	1936
1937	---	0.025 ON MAY 29	0 ON JUN 3	---	1937
1938	---	1.27 ON MAY 7	0 ON JUN 1	---	1938
1939	---	1.14 ON MAY 1	0 ON MAY 19	---	1939
1940	---	3.11 ON MAY 12	0 ON JUN 13	---	1940
1941	---	0.054 ON JUN 15	0 ON JUN 13	---	1941
1942	---	0.110 ON MAY 26	---	---	1942
1943	---	0.045 ON MAY 9	0 ON JUN 21	---	1943
1944	---	0.011 ON JUN 13	0 ON MAY 11	---	1944
1945	---	0.014 ON MAY 1	0 ON MAY 31	---	1945
1946	---	0.008 ON JUN 24	0 ON MAY 9	---	1946
1947	---	1.07 ON MAY 4	---	---	1947
1948	---	8.38 ON MAY 1	0 ON JUN 8	---	1948
1949	---	0.017 ON MAY 17	0 ON MAY 4	---	1949
1950	---	0.003 ON MAY 15	0 ON MAY 1	---	1950
1951	---	8.85 ON MAY 3	---	---	1951
1952	---	2.24 ON MAY 13	---	---	1952
1953	15.0 AT 18 00 MST ON JUN 4	11.6 ON JUN 7	---	---	1953
1954	---	0.235 ON MAY 1	---	---	1954
1955	---	7.19 ON MAY 19	---	---	1955
1956	---	0.892 ON AUG 28	0 ON JUN 2	1 210	1956
1973	---	6.31 ON JUN 16	0.027 ON MAY 12	13 600	1973
1974	---	3.37 ON JUN 26	0.071 ON MAY 27	11 800	1974
1975	---	3.17 ON MAY 7	0.079 ON OCT 25	15 200	1975
1976	5.95 AT 05 10 MST ON JUL 13	4.62 ON JUL 13	0.020 ON MAY 7	16 200	1976
1977	---	2.41 ON MAY 16	0.156 ON MAY 1	15 400	1977
1978	---	1.91 ON JUL 23	0 ON MAY 20	---	1978
1979	---	2.76 ON JUN 20	0.085 ON OCT 29	17 700	1979
1980	4.44 AT 23 55 MST ON JUN 27	3.35 ON MAY 26	0 E ON MAY 1	17 600	1980
1981	5.34 AT 17 10 MST ON JUN 14	4.37 ON JUN 15	0.083 ON MAY 5	22 400	1981
1982	17.8 AT 01 44 MST ON JUN 30 *	3.44 ON JUN 30	0.089 ON MAY 12	23 200	1982
1983	14.7 AT 14 00 MST ON JUL 20	8.23 ON JUL 20	0.086 ON OCT 29	20 200	1983
1984	3.83 AT 19 57 MST ON JUN 22	3.16 ON JUL 31	0.051 ON MAY 1	20 500	1984
1985	---	2.61 ON JUN 14	0.078 ON MAY 8	18 500	1985
1986	---	10.7 ON SEP 26	0.234 ON OCT 28	26 800	1986
				10 200	MEAN

E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SEVEN PERSONS CREEK NEAR SEVEN PERSONS - STATION NO. 05AH033

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1920	---	---	---	---	0.624	0	0.070	---	---	---	---	---	---	1920
1921	---	---	0.872	3.39	0.522	0.005	0	---	---	---	---	---	---	1921
1922	---	---	0.932	6.83	1.11	0.014	0	0	---	---	---	---	---	1922
1923	---	---	0	0.409	0.011	0.005	0.011	---	---	---	---	---	---	1923
1924	---	0	0	0	0	0	0	0	0	0	---	---	0	1924
1925	---	---	1.46	2.19	0.118	0.006	0	0	0	0	---	---	0.469	1925
1926	---	0	0.881	0.106	0	0	---	---	---	---	---	---	---	1926
1927	---	0	0.023	3.01	1.94	0.695	0.082	0.001	0	0	---	---	0.712	1927
1928	---	---	7.08	0.858	0.086	0.003	0.163	0	0	0	---	---	1.05	1928
1929	---	0	0.137	0.771	0.410	0.015	---	---	---	---	---	---	---	1929
1930	---	0.259	0.074	0.256	0.080	0	0	0	0.003	0	---	---	0.049	1930
1931	---	0	0	---	---	---	---	---	---	---	---	---	---	1931
1936	---	---	0.913	---	0.380	0	---	---	---	---	---	---	---	1936
MEAN	---	0.043	1.04	1.63	0.437	0.052	0.036	0	0.001	0	---	---	0.456	MEAN

LOCATION - LAT 49 50 00 N DRAINAGE AREA 2 550 km^2
LONG 110 54 00 W NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1930

SEVEN PERSONS CREEK NEAR SEVEN PERSONS - STATION NO. 05AH033

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1920	---	---	0 ON MAY 30 *	---	1920
1921	---	18.0 ON APR 16	0 ON JUN 12	---	1921
1922	---	14.0 ON APR 23	0B ON MAR 1	---	1922
1923	---	1.70 ON APR 15	0B ON MAR 1	---	1923
1924	---	0 B ON MAR 1	0B ON MAR 1	0	1924
1925	---	18.0 ON MAR 31	0B ON MAR 1	9 920	1925
1926	---	4.70 B ON MAR 6	0B ON MAR 1	---	1926
1927	---	11.9 ON APR 26	0B ON MAR 1	15 100	1927
1928	---	32.6 ON MAR 24 *	0B ON MAR 1	22 200	1928
1929	---	3.74 B ON APR 2	0B ON MAR 1	---	1929
1930	---	0.450 ON APR 9	0B ON MAR 19	1 030	1930
1931	---	---	0 ON MAR 1	---	1931
1936	---	7.19 B ON MAR 3	0B ON MAR 1	---	1936
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		9 880	MEAN

SEVEN PERSONS CREEK NEAR WHITLA - STATION NO. 05AH039

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1936	---	---	0.472	---	0.054	0	---	---	---	---	---	---	---	1936
MEAN	---	---	0.472	---	0.054	0	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 46 00 N LONG 111 03 00 W DRAINAGE AREA, 2 280 km^2 NATURAL FLOW

SEVEN PERSONS CREEK NEAR WHITLA - STATION NO. 05AH039

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1936	---	2.38 ON APR 19 *	0B ON MAR 1 *	---	1936
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

SEVERN CREEK NEAR ROSEBUD - STATION NO. 05CE009

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	---	---	0.042	0.143	0.061	0.070	---	---	---	1965
1966	---	---	1.87	0.111	0.008	0.054	1.31	0.019	0.008	0.045	---	---	0.433	1966
1967	---	---	0.806	0.804	0.107	0.090	0.012	0.004	0.192	0	---	---	0.237	1967
1968	---	---	0.039	0.009	0.003	0.008	0.016	0.004	0.027	0.002	---	---	0.013	1968
1969	---	---	0.126	1.43	0.010	0.104	0	0	0	0	---	---	0.205	1969
1970	---	---	0.106	0.028	0.007	0.253	0.046	0	0	0.026	---	---	0.058	1970
MEAN	---	---	0.548	0.497	0.027	0.102	0.238	0.028	0.048	0.024	---	---	0.189	MEAN

LOCATION - LAT 51 16 07 N LONG 112 58 51 W DRAINAGE AREA, 158 km^2 NATURAL FLOW

SEVERN CREEK NEAR ROSEBUD - STATION NO. 05CE009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	---	0 ON JUL 12 *	---	1965
1966	99.4 ON JUL 3 *	20.1 ON JUL 3 *	0B ON MAR 1	9 180	1966
1967	---	3.26 B ON APR 3	0 ON AUG 26	5 020	1967
1968	---	0.283E ON SEP 23	0E ON MAY 1	285	1968
1969	---	8.50 ON APR 3	0B ON MAR 1	4 340	1969
1970	---	1.53 ON JUN 17	0B ON MAR 1	1 220	1970
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		4 010	MEAN

SHEEP COULEE NEAR CARSTAIRS - STATION NO. 05CE019

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	---	---	---	---	0	0	0	0	---	---	---	1976
1977	---	---	0	0.001	0.005	0	0	0	0	0	---	---	0.001	1977
1978	---	---	0.026	0.026	0.005	0.006	0	0.002	0.001	0.005	---	---	0.009	1978
1979	---	---	0.018	0.009	0.009	0.001	0	0	0	0	---	---	0.005	1979
1980	---	---	0.003	0.007	0.001	0.019	0.004	0.003	0	0	---	---	0.005	1980
1981	---	---	0	0.001	0.024	0.006	0.005	0.002	0	0	---	---	0.005	1981
1982	---	---	0.017	0.027	0.008	0.005	0.009	0	0	0	---	---	0.008	1982
1983	---	---	0	0.004	0.003	0	0	0	0	0	---	---	0.001	1983
1984	---	---	0.002	0.001	0.002	0.004	0	0	0	0	---	---	0.001	1984
1985	---	---	0.002	0	0	0	0	0	0.032	0.001	---	---	0.004	1985
1986	---	---	0.001	0	0.083	0	0.014	0.002	0.053	0.023	---	---	0.020	1986
MEAN	---	---	0.007	0.008	0.012	0.004	0.003	0.001	0.008	0.003	---	---	0.006	MEAN

LOCATION - LAT 51 33 44 N DRAINAGE AREA, 38.3 km²
LONG 114 02 09 W NATURAL FLOW

SHEEP COULEE NEAR CARSTAIRS - STATION NO. 05CE019

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1976	---	---		---	1976
1977	0.017 AT 23:00 MST ON MAY 6	0.013 ON MAY 6	0B ON MAR 1	14.7	1977
1978	0.3088 AT 19:00 MST ON MAR 26	0.1988 ON MAR 27	0B ON MAR 1	193	1978
1979	0.124 AT 11:00 MST ON MAR 8	0.092A ON MAR 8	0B ON MAR 1	86.2	1979
1980	0.493 AT 19:30 MST ON JUN 18	0.196 ON JUN 18	0B ON MAR 1	102	1980
1981	0.062 AT 05:55 MST ON MAY 9	0.062 ON MAY 8	0B ON MAR 1	103	1981
1982	---	0.186A ON APR 13	0B ON MAR 1	176	1982
1983	0.037 AT 10:41 MST ON APR 27	0.036 ON APR 27	0B ON MAR 1	18.0	1983
1984	0.017 AT 11:46 MST ON MAR 23	0.013 ON JUN 8	0B ON MAR 1	20.8	1984
1985	0.611 AT 09:00 MST ON SEP 13	0.405 ON SEP 13	0B ON MAR 1	92.5	1985
1986	0.845 AT 16:20 MST ON SEP 26 *	0.483 ON SEP 26 *	0 ON MAR 9	415	1986
				123	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SHEEP RIVER AT BLACK DIAMOND - STATION NO. 05BL014

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	6.48	3.28	2.21	---	---	---	1909
1910	---	---	---	---	---	7.97	3.93	3.59	6.47	3.84	---	---	---	1910
1911	---	---	---	2.76	8.10	17.2	7.08	15.4	12.7	4.58	---	---	---	1911
1912	---	---	---	5.70	7.81	14.2	22.3	7.08	3.79	3.62	---	---	---	1912
1913	---	---	---	---	7.07	15.1	9.80	8.77	4.84	3.15	---	---	---	1913
1914	---	---	---	3.07	8.80	11.7	5.84	2.95	3.02	4.46	---	---	---	1914
1915	---	---	---	2.80	26.9	43.2	28.8	11.1	5.48	5.30	---	---	---	1915
1916	---	---	---	---	9.53	63.4	21.7	25.2	13.0	6.58	---	---	---	1916
1968	---	---	---	---	---	---	---	---	---	---	---	1.41	---	1968
1969	1.09	1.08	1.83	6.83	16.1	29.2	26.6	4.04	2.50	2.07	1.60	1.01	7.89	1969
1970	0.771	0.718	0.877	1.67	11.8	25.8	7.72	2.30	1.78	1.22	1.09	0.906	4.81	1970
1971	0.725	0.752	0.882	3.95	13.7	21.1	5.61	2.88	2.34	2.11	1.31	0.703	4.88	1971
1972	0.656	0.787	2.25	3.96	16.3	20.8	8.60	4.96	2.89	2.18	1.48	1.21	5.51	1972
1973	1.05	0.990	1.21	2.30	11.5	15.9	5.65	3.15	3.67	2.02	1.33	1.10	4.24	1973
1974	0.903	0.909	1.12	4.99	16.0	28.8	7.50	5.24	5.84	3.27	1.91	1.41	6.57	1974
1975	1.05	0.904	0.946	2.59	9.59	21.5	11.0	4.59	2.80	1.97	1.38	1.34	4.96	1975
1976	1.05	0.983	1.08	2.96	9.79	7.21	5.25	6.76	3.65	2.30	1.38	1.14	3.81	1976
1977	0.874	0.875	1.03	2.12	4.43	4.26	2.43	5.87	3.53	2.57	1.13	0.985	2.50	1977
1978	0.925	0.730	1.61	3.56	10.8	19.8	12.4	5.13	3.80	2.49	1.77	1.44	5.38	1978
1979	1.07	0.973	1.44	2.51	8.96	8.16	4.55	3.45	2.12	1.44	1.01	1.10	3.25	1979
1980	0.845	0.868	0.788	4.57	11.9	21.9	4.55	5.54	4.42	2.89	1.65	1.88	5.15	1980
1981	1.33	1.16	1.35	1.72	27.1	20.7	11.4	5.54	2.61	2.03	1.38	0.971	5.57	1981
1982	0.884	0.751	0.748	2.00	4.75	15.7	5.26	2.25	2.65	2.79	1.35	0.894	3.40	1982
1983	0.838	0.890	0.974	3.82	10.5	9.26	5.07	2.53	1.84	1.61	1.12	0.743	3.37	1983
1984	0.760	0.887	0.795	1.81	4.17	10.3	4.01	2.16	1.85	2.16	1.11	0.787	2.53	1984
1985	0.825	0.579	0.855	2.32	7.25	8.09	3.11	5.57	10.4	4.02	1.84	1.12	3.80	1985
1986	1.09	1.81	1.82	2.25	12.8	12.8	6.27	4.29	5.72	7.80	3.42	1.87	5.17	1986
MEAN	0.908	0.910	1.19	3.33	11.5	19.1	9.54	6.18	4.51	3.09	1.50	1.16	4.65	MEAN

LOCATION - LAT 50 41 14 N DRAINAGE AREA, 595 km²
LONG 114 14 34 W NATURAL FLOW

SHEEP RIVER AT BLACK DIAMOND - STATION NO. 05BL014

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	---	---	---	1910
1911	---	86.8 ON AUG 7	---	---	1911
1912	---	51.8 ON JUL 8	---	---	1912
1913	---	29.4 ON JUN 28	---	---	1913
1914	---	19.3 ON JUN 4	---	---	1914
1915	---	133 ON JUN 26	---	---	1915
1916	---	200 ON JUN 28 *	---	---	1916
1968	---	---	---	---	1968
1969	---	96.3E ON JUN 29	0.348 ON DEC 8	252 000	1969
1970	195 AT 04:59 MST ON JUN 14 *	122 ON JUN 14	0.626 ON MAR 1	152 000	1970
1971	92.0 AT 07:00 MST ON JUN 6	71.9 ON JUN 6	0.8488 ON DEC 26	147 000	1971
1972	45.9 AT 02:00 MST ON JUN 1	41.1 ON JUN 1	0.547 ON JAN 11	174 000	1972
1973	39.4 AT 02:00 MST ON JUN 7	34.0 ON JUN 7	0.877 ON NOV 6	134 000	1973
1974	55.8 AT 24:00 MST ON JUN 15	50.7 ON JUN 18	0.731 ON MAR 23	207 000	1974
1975	104 AT 02:30 MST ON JUN 20	83.8 ON JUN 20	0.841 ON JAN 17	157 000	1975
1976	45.0 AT 03:00 MST ON AUG 6	32.3 ON AUG 6	0.806 ON NOV 22	121 000	1976
1977	20.9 AT 09:30 MST ON AUG 13	15.2 ON AUG 14	0.688 ON NOV 18	78 900	1977
1978	53.2 AT 24:00 MST ON JUN 4	43.3 ON JUN 5	0.814 ON FEB 26	170 000	1978
1979	39.5 AT 02:00 MST ON MAY 27	29.6 ON MAY 27	0.498 ON NOV 20	102 000	1979
1980	89.1 AT 22:30 MST ON JUN 3	59.2 ON JUN 3	0.690 ON APR 1	183 000	1980
1981	122 AT 02:00 MST ON MAY 26	87.0 ON MAY 26	0.7888 ON DEC 31	207 000	1981
1982	26.3 AT 23:51 MST ON JUN 14	21.8 ON JUN 15	0.5308 ON JAN 7	107 000	1982
1983	47.0 AT 01:26 MST ON APR 25	24.7 ON APR 25	0.332 ON NOV 23 *	106 000	1983
1984	24.8 AT 00:19 MST ON MAY 31	15.1 ON MAY 31	0.5808 ON DEC 27	79 900	1984
1985	82.2 AT 19:09 MST ON SEP 12	50.0 ON SEP 13	0.5178 ON FEB 13	120 000	1985
1986	39.6 AT 01:29 MST ON MAY 29	33.3 ON MAY 28	0.7488 ON FEB 18	163 000	1986
				147 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SHEEP RIVER AT BUCK RANCH - STATION NO. 05BL018

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1950	---	---	---	---	---	---	---	4.52	2.10	1.64	---	---	---	1950
1951	---	---	---	---	18.1	27.2	24.8	11.7	19.8	8.97	---	---	---	1951
1952	---	---	---	14.0	13.9	17.7	11.8	8.93	4.40	2.57	---	---	---	1952
1953	---	---	1.43	2.22	15.1	43.2	14.4	4.73	2.31	1.92	---	---	10.6	1953
1954	---	---	0.595	11.4	19.1	17.0	10.4	7.50	5.76	5.11	---	---	9.71	1954
1955	---	---	0.910	2.88	10.0	15.9	10.9	2.93	2.09	2.20	---	---	5.98	1955
1956	---	---	0.852	5.36	13.9	13.1	14.3	4.04	2.68	1.82	---	---	7.01	1956
1957	---	---	1.18	9.57	14.4	11.1	3.89	2.62	3.21	2.44	---	---	6.05	1957
1958	---	---	0.809	12.3	18.4	14.5	19.4	6.27	3.25	2.22	---	---	9.64	1958
1959	---	---	0.890	1.77	7.84	15.0	7.05	3.40	3.95	2.96	---	---	5.30	1959
1960	---	---	2.89	2.87	11.0	14.5	6.09	4.61	1.97	1.54	---	---	5.67	1960
1961	---	---	0.746	1.02	15.2	13.3	7.18	6.06	3.88	6.83	---	---	6.78	1961
1962	---	---	1.21	5.04	8.46	12.0	5.04	2.83	3.43	1.98	---	---	4.87	1962
1963	---	---	1.01	1.73	6.83	26.0	8.88	3.52	2.88	2.11	---	---	6.52	1963
1964	---	---	0.886	1.42	11.2	28.6	7.76	2.89	3.93	2.68	---	---	7.38	1964
1965	---	---	0.853	3.70	5.83	24.5	15.3	8.99	8.79	6.22	---	---	8.83	1965
1966	---	---	1.30	2.32	11.9	16.6	8.18	4.15	2.74	2.50	---	---	6.20	1966
1967	---	---	0.837	1.08	18.9	39.3	11.0	3.45	2.38	1.64	---	---	9.52	1967
1968	---	---	0.764	1.26	8.89	19.9	7.81	5.14	5.14	4.98	---	---	6.48	1968
1969	---	---	---	---	14.2	28.5	26.3	3.97	2.49	1.88	---	---	---	1969
MEAN	---	---	1.04	4.70	12.8	21.0	11.5	5.11	4.20	3.26	---	---	7.30	MEAN

LOCATION - LAT 50 37 20 N
LONG 114 25 40 W
DRAINAGE AREA, 454 km^2
NATURAL FLOW

SHEEP RIVER AT BUCK RANCH - STATION NO. 05BL015

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1950	---	---	---	---	1950
1951	105 ON JUL 9	81.3 ON AUG 30	---	---	1951
1952	62.0 ON JUN 12	40.2 ON JUN 12	---	---	1952
1953	104 ON JUN 13	81.3 ON JUN 9	0.4530 ON MAR 1	225 000	1953
1954	35.7 ON MAY 19	30.38 ON MAY 9	0.2830 ON MAR 11 *	205 000	1954
1955	46.2 ON MAY 19	26.6 ON MAY 19	0.8500 ON MAR 1	126 000	1955
1956	49.8 ON JUL 3	37.7 ON JUL 4	0.7650 ON MAR 17	149 000	1956
1957	59.28 ON APR 28	37.98 ON APR 28	0.8510 ON MAR 1	128 000	1957
1958	52.48 ON APR 13	40.88 ON APR 13	0.5660 ON MAR 11	204 000	1958
1959	36.0 ON JUN 27	29.2 ON JUN 27	0.3680 ON MAR 14	112 000	1959
1960	36.8 ON MAY 11	30.0 ON MAY 12	0.8218 ON MAR 14	120 000	1960
1961	55.2 AT 05:00 MST ON MAY 27	47.3 ON MAY 27	0.4258 ON MAR 7	143 000	1961
1962	25.3 AT 23:00 MST ON JUN 15	21.1 ON JUN 15	0.5518 ON MAR 6	105 000	1962
1963	340 AT 18:00 MST ON JUN 29 *	123 ON JUN 29	0.5518 ON MAR 6	138 000	1963
1964	110 AT 01:00 MST ON JUN 8	72.8 ON JUN 8	0.7788 ON MAR 30	155 000	1964
1965	---	82.6 ON JUN 18	0.3888 ON MAR 1	189 000	1965
1966	34.8 AT 02:00 MST ON JUN 5	31.4 ON JUN 5	0.8638 ON MAR 6	131 000	1966
1967	303 AT 20:00 MST ON MAY 30	187 ON MAY 30 *	0.5448 ON APR 5	302 000	1967
1968	---	46.2 ON JUN 10	0.8408 ON MAR 18	137 000	1968
1969	126 AT 02:13 MST ON JUN 28	95.1 ON JUN 28	---	---	1969
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		194 000	MEAN

SHEEP RIVER AT OKOTOKS - STATION NO. 05BL012

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	---	27.5	87.8	12.6	5.31	3.46	5.43	---	---	---	1908
1909	---	---	---	---	---	57.1	29.3	9.00	3.88	2.51	---	---	---	1909
1910	---	---	---	3.17	7.12	7.10	3.37	3.26	5.94	4.40	---	---	---	1910
1911	---	---	---	7.73	16.0	24.2	10.9	24.2	19.5	7.95	---	---	---	1911
1912	---	---	---	---	14.8	25.9	47.6	11.0	6.26	7.46	---	---	---	1912
1913	---	---	---	9.83	13.2	30.8	13.1	11.7	5.48	4.19	---	---	---	1913
1914	---	---	---	---	14.5	15.9	9.35	3.61	3.04	5.89	---	---	---	1914
1915	---	---	---	3.51	37.7	75.3	111	24.0	13.2	10.8	---	---	---	1915
1916	---	---	---	12.0	28.5	97.1	31.8	40.5	24.0	10.0	5.47	3.09	---	1916
1917	1.46	0.525	1.30	4.89	36.9	80.6	14.1	7.61	4.45	2.88	2.48	1.32	11.7	1917
1918	0.912	1.21	5.61	3.68	8.56	14.3	6.65	5.88	4.34	2.95	2.34	1.63	4.92	1918
1919	1.14	0.833	0.910	4.05	12.2	7.80	3.40	12.3	3.21	2.53	0.872	1.18	4.22	1919
1920	1.15	0.821	1.79	---	---	---	---	---	---	---	---	---	---	1920
1965	---	---	---	---	---	---	---	---	---	9.22	3.18	2.02	---	1965
1966	1.56	2.14	5.46	13.0	17.6	26.9	17.8	8.99	3.85	2.81	1.95	0.800	8.53	1966
1967	1.05	0.823	1.96	7.82	47.0	56.7	11.0	4.41	2.52	1.79	1.30	0.883	11.9	1967
1968	0.704	0.802	1.58	2.90	10.7	22.8	9.10	5.27	6.66	7.43	2.30	---	---	1968
MEAN	1.14	0.994	2.66	8.97	21.0	38.7	22.1	11.9	7.31	5.52	3.00	1.83	8.17	MEAN

LOCATION - LAT 50 43 17 N LONG 113 58 51 W DRAINAGE AREA, 1 500 km^2 NATURAL FLOW

SHEEP RIVER AT OKOTOKS - STATION NO. 05BL012

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1908	---	218 ON JUN 3	---	---	1908
1909	---	96.0 ON MAY 25	---	---	1909
1910	---	11.6 ON MAY 26	---	---	1910
1911	---	86.2 ON AUG 6	---	---	1911
1912	---	154 ON JUN 15	---	---	1912
1913	---	44.7 ON JUN 26	---	---	1913
1914	---	24.2 ON JUN 4	---	---	1914
1915	---	524 ON JUL 16 *	---	---	1915
1916	---	285 ON AUG 16	---	---	1916
1917	---	194 ON JUN 3	0.0858 ON FEB 3 *	370 000	1917
1918	---	24.6 ON JUN 10	0.5108 ON FEB 19	155 000	1918
1919	---	85.6 ON AUG 4	0.5108 ON FEB 19	133 000	1919
1920	---	---	0.6808 ON FEB 3	---	1920
1965	---	---	---	---	1965
1966	---	80.9 ON JUN 5	0.2838 ON DEC 4	259 000	1966
1967	---	478 ON MAY 31	0.5808 ON MAR 11	392 000	1967
1968	---	82.0 ON JUN 9	---	---	1968
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		256 000	MEAN

SHEEP RIVER NEAR ALDERSYDE - STATION NO. 05BL020

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1957	---	---	---	---	---	---	---	---	3.59	3.15	2.80	1.19	---	1957
1958	0.959	0.857	1.27	19.3	25.5	20.7	24.2	7.20	3.41	2.40	1.74	3.05	9.22	1958
1959	1.52	1.32	2.86	4.08	14.5	20.3	8.35	3.76	4.94	3.93	2.97	3.59	5.58	1959
1960	0.739	2.58	5.98	5.91	17.4	17.0	6.69	4.67	1.79	1.55	1.00	0.951	5.83	1960
1961	0.820	0.793	1.33	2.20	22.7	15.0	7.82	5.87	4.28	9.72	4.03	1.43	6.45	1961
1962	1.56	1.34	2.56	12.5	14.7	15.9	5.62	2.85	3.72	2.13	1.30	1.24	5.46	1962
1963	0.852	3.34	1.99	2.29	8.10	39.9	27.2	9.07	3.74	2.29	1.30	3.03	8.16	1963
1964	1.08	1.02	1.54	2.10	26.2	25.8	7.74	2.85	3.86	3.02	1.84	0.702	7.37	1964
1965	0.322	0.288	4.66	14.6	9.05	46.8	31.4	10.4	11.8	---	---	---	---	1965
MEAN	0.982	1.44	2.66	8.00	17.3	25.7	14.9	5.42	4.64	3.52	2.07	1.65	6.89	MEAN

LOCATION - LAT 50 42 45 N DRAINAGE AREA, 1 670 km²
LONG 113 52 50 W NATURAL FLOW

SHEEP RIVER NEAR ALDERSYDE - STATION NO. 05BL020

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1957	---	---	---	---	1957
1958	85.7 AT 10 00 MST ON APR 14	85.7 ON APR 14	0.4538 ON FEB 8	281 000	1958
1959	80.7 AT 20 20 MST ON JUN 27	57.8 ON JUN 27	0.5238 ON FEB 8	188 000	1959
1960	---	39.4 ON MAY 12	0.3118 ON JAN 13	178 000	1960
1961	82.3 AT 20 00 MST ON MAY 27	65.5 ON MAY 27	0.4538 ON JAN 25	204 000	1961
1962	44.7 AT 03 00 MST ON APR 18	36.5 ON MAY 21	0.3238 ON FEB 21	172 000	1962
1963	507 AT 10 00 MST ON JUN 30 *	320 ON JUN 30 *	0.2748 ON JAN 9	257 000	1963
1964	---	81.7A ON JUN 8	0.1308 ON DEC 24	231 000	1964
1965	---	191 ON JUN 19	0.0658 ON FEB 1 *	---	1965
				217 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SHOAL CREEK NEAR LINARIA - STATION NO. 07BC004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	0.227	0.033	0.006	0.003	0.006	0	0	0	---	---	0.034	1968
1969	---	---	0	2.60	0.356	0.018	0.283	2.08	2.01	1.02	---	---	1.01	1969
1970	---	---	0	4.81	0.748	0.481	0.434	0.245	0.087	0.025	---	---	0.843	1970
1971	---	---	0	2.32	0.259	0.894	4.45	0.987	0.276	0.847	---	---	1.22	1971
1972	---	---	0.001	3.97	2.07	0.330	0.243	0.178	0.071	0.059	---	---	0.852	1972
1973	---	---	0.533	0.586	0.174	0.560	0.303	0.239	0.201	0.526	---	---	0.404	1973
1975	---	---	0	0.845	0.285	0.430	0.763	0.272	0.201	0.128	---	---	0.424	1975
1976	---	---	0.293	1.38	0.176	---	---	0.207	0	0.280	---	---	---	1976
1977	---	---	0	0.548	0.218	1.04	0.690	0.883	0.257	0.189	---	---	0.501	1977
1978	---	---	0.456	1.35	---	---	---	---	---	---	---	---	---	1978
MEAN	---	---	0.152	1.82	0.477	0.484	0.923	0.586	0.387	0.335	---	---	0.662	MEAN

LOCATION - LAT 54 18 50 N DRAINAGE AREA, 425 km²
LONG 114 12 04 W NATURAL FLOW

SHOAL CREEK NEAR LINARIA - STATION NO. 07BC004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1968	0.714 AT 10 15 MST ON MAR 25	0.5139 ON MAR 6	0 ON JUN 25 *	716	1968
1969	13.6 AT 07 00 MST ON APR 13	13.3 ON APR 13	08 ON MAR 1	21 500	1969
1970	19.5 AT 23 00 MST ON APR 13 *	17.5 ON APR 13 *	08 ON MAR 1	17 900	1970
1971	17.9 B AT 20 00 MST ON APR 20	16.0 ON APR 21	08 ON MAR 1	25 800	1971
1972	13.3 B AT 01 30 MST ON APR 21	13.3 B ON APR 21	08 ON MAR 1	18 300	1972
1973	4.16 B AT 13 00 MST ON APR 1	3.94 B ON MAR 31	09 ON MAR 1	8 540	1973
1975	4.84 B AT 11 30 MST ON APR 20	4.33 B ON APR 20	08 ON MAR 1	8 970	1975
1976	3.96 B AT 14 00 MST ON APR 6	3.31 B ON APR 6	08 ON MAR 1	---	1976
1977	4.13 AT 11 20 MST ON JUN 3	3.85 ON JUN 3	08 ON MAR 1	10 800	1977
1978	---	---	09 ON MAR 1	---	1978
				14 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SHUNDA CREEK NEAR SAUNDERS - STATION NO. 05DC004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	17.3	---	---	1.40	1.08	0.670	0.525	---	1915
1916	0.335	0.491	0.676	0.770	2.03	5.83	7.14	5.30	4.95	2.31	1.05	0.563	2.77	1916
1917	0.531	0.429	0.386	0.710	7.84	6.83	3.61	1.29	1.61	1.03	0.785	0.630	2.15	1917
1918	0.524	0.553	0.581	---	---	---	---	---	---	---	---	---	---	1918
MEAN	0.463	0.481	0.614	0.740	5.35	9.99	5.26	3.80	2.65	1.67	0.835	0.563	2.46	MEAN

LOCATION - LAT 52 25 42 N, LONG 115 46 50 W. DRAINAGE AREA, 283 km². NATURAL FLOW

MEAN	---	---	---	---	---	---	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 52 22 30 N, LONG 116 17 20 W. DRAINAGE AREA, 235 km². NATURAL FLOW

SHUNDA CREEK NEAR SAUNDERS - STATION NO. 05DC004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1915	---	97.1 ON JUN 27 e	---	---	1915
1916	---	25.0 ON AUG 18	0.3110 ON JAN 10	87 500	1916
1917	---	24.0 ON MAY 26	0.283 ON APR 29 e	67 800	1917
1918	---	---	---	---	1918
	B - ICE CONDITIONS	e - EXTREME RECORDED FOR THE PERIOD OF RECORD		77 700	MEAN

SIFFLEUR RIVER NEAR THE MOUTH - STATION NO. 05DA002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	6.69	18.0	27.6	13.9	---	3.75	---	---	---	1975
1976	---	---	---	---	10.9	---	---	---	---	---	---	---	---	1976
1977	---	---	---	---	---	24.2	17.6	11.9	6.20	3.15	---	---	---	1977
1978	---	---	---	---	8.10	28.3	31.2	16.1	14.9	5.16	---	---	16.9	1978
1979	---	---	---	---	9.81	23.5	23.1	14.9	9.22	4.72	---	---	13.7	1979
1980	---	---	---	---	17.7	29.7	23.2	13.1	8.21	5.52	---	---	16.2	1980
1981	---	---	---	---	15.8	16.7	36.3	24.7	9.12	3.91	---	---	18.1	1981
1982	---	---	---	---	9.78	38.9	27.1	16.8	12.5	5.52	---	---	16.0	1982
1983	---	---	---	---	8.35	30.5	23.2	15.9	8.00	4.95	---	---	13.3	1983
1984	---	---	---	---	3.84	33.0	22.3	17.1	9.79	5.25	---	---	13.5	1984
1985	---	---	---	---	10.6	17.3	21.6	14.7	10.6	4.51	---	---	13.1	1985
1986	---	---	---	---	15.2	37.4	22.7	16.0	7.91	5.53	---	---	17.6	1986
MEAN	---	---	---	---	9.99	24.2	25.2	16.5	9.83	4.65	---	---	15.4	MEAN

LOCATION - LAT 52 02 35 N, LONG 116 23 02 W. DRAINAGE AREA, 915 km². NATURAL FLOW

SIFFLEUR RIVER NEAR THE MOUTH - STATION NO. 05DA002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1975	42.5 AT 05:30 MST ON JUL 14	39.1 ON JUL 7	---	---	1975
1976	42.8 AT 00:00 MST ON JUL 1	40.2 ON JUL 1	---	---	1976
1977	49.3 AT 00:00 MST ON JUN 8	47.6 ON JUN 8	---	---	1977
1978	47.3 AT 05:00 MST ON JUN 8	44.2 ON JUN 8	3.23 ON MAY 6	209 000	1978
1979	39.0 AT 23:30 MST ON MAY 26	33.8 ON JUN 12	2.21 ON MAY 8	217 000	1979
1980	59.0 AT 14:55 MST ON JUN 18	53.5 ON JUN 16	3.83 ON OCT 30	258 000	1980
1981	62.3 AT 19:55 MST ON JUL 16	50.7 ON JUL 16	2.500 ON OCT 31	286 000	1981
1982	42.5 AT 20:50 MST ON JUN 22	40.0 ON JUN 22	1.54 ON MAY 9 e	255 000	1982
1983	41.4 AT 01:30 MST ON JUL 7	35.4 ON MAY 30	2.250 ON MAY 1	212 000	1983
1984	47.0 AT 10:15 MST ON JUN 29	44.2 ON JUN 29	1.598 ON MAY 1	215 000	1984
1985	38.2 AT 04:50 MST ON JUN 30	34.6 ON JUN 30	1.61 ON MAY 1	200 000	1985
1986	102 AT 22:55 MST ON MAY 28 e	74.0 ON MAY 28 e	1.85 ON MAY 1	277 000	1986
	B - ICE CONDITIONS E - ESTIMATED	e - EXTREME RECORDED FOR THE PERIOD OF RECORD		244 000	MEAN

SILVERHORN CREEK NEAR THE MOUTH - STATION NO 05DA010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	0.063	0.080	0.553	1.35	1.42	0.912	0.347	0.202	0.088	0.021	---	1971
1972	0.026	0.042	0.028	0.034	1.23	1.98	1.43	1.04	0.424	0.220	0.101	0.110	0.557	1972
1973	0.095	0.036	0.026	0.026	0.533	0.930	1.28	0.703	0.520	0.040	0.065	0.045	0.359	1973
1974	0.027	0.036	0.029	0.060	---	1.96	1.81	---	---	---	0.073	0.048	---	1974
1975	0.041	0.036	0.025	0.021	0.186	0.842	2.50	0.762	0.301	0.123	0.080	0.084	0.419	1975
1976	0.043	0.033	0.036	0.045	0.572	1.00	2.12	1.05	0.882	0.232	0.184	0.046	0.520	1976
1977	0.037	0.036	0.022	0.106	0.349	2.12	0.874	0.596	0.338	0.144	0.074	0.041	0.395	1977
1978	0.033	0.021	0.018	0.076	0.341	2.40	2.77	0.590	0.730	0.323	0.104	0.081	0.632	1978
1979	0.043	0.050	0.046	0.035	0.407	1.78	2.19	0.879	0.433	0.168	0.058	0.057	0.516	1979
1980	0.064	0.045	0.036	0.172	0.786	1.34	0.944	0.451	0.285	0.217	0.080	0.064	0.375	1980
1981	0.048	0.046	0.047	0.058	0.770	0.887	1.87	0.956	0.390	0.184	0.083	0.074	0.446	1981
1982	0.076	0.040	0.030	0.032	0.290	1.92	1.50	0.627	0.711	0.258	0.114	0.073	0.474	1982
1983	0.053	0.048	0.044	0.057	0.440	0.955	1.12	0.542	0.275	0.131	0.126	0.083	0.333	1983
1984	0.071	0.042	0.030	0.041	0.174	1.17	1.54	0.748	0.432	0.222	0.084	0.056	0.385	1984
1985	0.052	0.056	0.042	0.052	0.687	1.15	1.53	0.899	0.482	0.191	0.039	0.049	0.418	1985
1986	0.067	0.045	0.035	0.043	0.783	1.95	1.26	0.740	0.299	0.165	0.083	0.091	0.467	1986
MEAN	0.053	0.041	0.034	0.059	0.540	1.47	1.84	0.758	0.458	0.187	0.091	0.062	0.450	MEAN

LOCATION - LAT 51 48 00 N DRAINAGE AREA 20.7 km²
LONG 116 34 59 W NATURAL FLOW

SILVERHORN CREEK NEAR THE MOUTH - STATION NO 05DA010

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1971	3.26 AT 20:30 MST ON JUL 19	2.78 ON JUN 23	---	---	1971
1972	6.97 AT 23:30 MST ON JUN 10	3.77 ON JUN 10	0.0288 ON JAN 1	17 800	1972
1973	2.66 AT 17:00 MST ON JUN 23	2.27 ON JUN 24	0.0208 ON MAR 23	11 300	1973
1974	6.62 AT 02:30 MST ON JUN 24	4.25 ON JUN 24	---	---	1974
1975	8.12 AT 18:30 MST ON JUL 5	5.52 ON JUL 5	0.0148 ON APR 21 *	13 200	1975
1976	6.26 AT 22:00 MST ON JUN 30	5.00 ON JUN 30	0.0318 ON FEB 19	15 400	1976
1977	11.3 AT 19:30 MST ON JUN 7 *	9.83 ON JUN 8 *	0.0198 ON MAR 13	12 500	1977
1978	8.53 AT 02:00 MST ON JUN 30	6.34 ON JUL 5	0.0168 ON MAR 10	19 900	1978
1979	8.23 AT 21:00 MST ON JUN 28	5.24 ON JUN 29	0.0269 ON NOV 30	15 300	1979
1980	3.386 AT 16:30 MST ON APR 27	2.84 ON JUN 15	0.0319 ON MAR 15	11 800	1980
1981	3.13 AT 19:25 MST ON JUL 15	3.00 ON JUL 15	0.0358 ON APR 12	14 100	1981
1982	3.77 AT 20:55 MST ON JUL 20	3.37 ON JUL 21	0.0248 ON MAR 23	14 900	1982
1983	3.61 AT 20:35 MST ON JUL 6	2.44 ON JUL 7	0.0298 ON APR 9	10 500	1983
1984	5.61 AT 07:50 MST ON JUN 29	4.83 ON JUN 29	0.0258 ON MAR 19	12 200	1984
1985	5.68 AT 23:50 MST ON JUN 29	4.18 ON JUN 30	0.0188 ON NOV 23	13 200	1985
1986	6.87 AT 18:00 MST ON MAY 28	3.82 ON MAY 27	0.0268 ON FEB 20	14 700	1986
				14 200	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SIMONETTE RIVER NEAR GODDWIN - STATION NO 07GF001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	---	---	---	---	---	11.4	18.7	12.2	---	---	---	1968
1970	---	---	2.30	35.1	57.1	18.4	12.1	7.82	4.67	4.35	2.19	1.80	17.7	1970
1971	1.60	1.66	1.93	43.2	41.4	127	130	18.9	19.4	50.8	18.1	8.12	53.8	1971
1972	3.14	1.27	5.36	60.6	104	91.4	29.8	14.9	10.4	24.8	8.41	5.70	42.8	1972
1973	4.20	3.60	3.52	75.3	92.0	51.8	17.0	12.3	7.56	14.3	6.10	3.82	34.1	1973
1974	2.82	2.11	2.89	127	193	28.7	11.9	5.85	6.42	4.82	1.89	2.81	47.5	1974
1975	1.78	1.61	1.60	17.5	45.2	24.7	26.4	8.48	6.22	5.15	3.94	2.13	15.7	1975
1976	2.06	2.27	1.76	86.6	45.0	82.2	33.7	121	42.4	13.9	6.83	4.05	48.2	1976
1977	3.27	3.60	4.57	74.8	118	53.8	51.1	33.4	26.6	29.7	10.2	4.6	48.0	1977
1978	3.39	2.83	3.98	27.4	56.3	87.7	21.1	10.4	37.3	17.7	7.52	4.39	30.1	1978
1979	1.59	1.67	2.95	30.8	107	121	53.3	12.5	6.62	6.91	4.95	2.93	42.5	1979
1980	1.86	2.17	2.27	37.8	40.3	108	32.7	19.7	34.9	14.5	8.02	3.88	35.8	1980
1981	6.65	3.84	5.88	41.8	80.9	40.0	16.8	14.5	6.47	4.87	4.08	1.30	22.4	1981
1982	0.771	0.955	1.51	5.19	121	34.4	124	98.6	22.9	17.7	8.06	3.07	53.7	1982
1983	2.66	1.86	2.81	15.7	29.7	86.3	176	35.8	20.2	11.1	9.40	3.23	47.3	1983
1984	3.31	3.27	2.90	34.3	109	86.6	14.5	8.89	55.5	31.0	9.35	5.00	39.1	1984
1985	6.63	3.86	5.12	57.2	41.2	16.7	7.25	9.55	26.9	23.6	9.45	5.25	24.2	1985
1986	6.35	3.97	7.51	48.2	91.5	30.9	39.9	9.62	9.67	30.4	7.09	4.72	33.5	1986
MEAN	3.84	3.56	3.63	47.0	79.0	80.0	46.9	25.1	20.0	18.0	6.92	3.93	37.6	MEAN

LOCATION - LAT 55 08 30 N DRAINAGE AREA 5 050 km²
LONG 118 10 30 W NATURAL FLOW

SIMONETTE RIVER NEAR GODWIN · STATION NO 07GF001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1969	---	---	---	---	1969
1970	156 AT 18:00 MST ON MAY 11	135 ON MAY 12	1.428 ON MAR 1	374 000	1970
1971	821 AT 04:00 MST ON JUL 13	680 ON JUL 13	1.619 ON MAR 22	1 140 000	1971
1972	554 AT 23:30 MST ON JUN 13	496 ON JUN 14	2.048 ON MAR 1	905 000	1972
1973	---	255E ON APR 28	3.118 ON MAR 23	721 000	1973
1974	453 AT 02:00 MST ON MAY 12	422 ON MAY 12	2.819 ON MAR 19	1 010 000	1974
1975	356 AT 01:00 MST ON JUN 30	222 ON JUN 30	1.308 ON MAR 9	352 000	1975
1976	563 AT 15:30 MST ON AUG 18	597 ON AUG 18	1.388 ON MAR 13	1 020 000	1976
1977	413 AT 04:00 MST ON MAY 7	362 ON MAY 7	4.028 ON MAR 27	1 040 000	1977
1978	377 AT 00:00 MST ON JUN 16	320 ON JUN 16	2.798 ON MAR 1	637 000	1978
1979	840 AT 11:00 MST ON JUN 15	710 ON JUN 15	1.798 ON MAR 4	900 000	1979
1980	540 AT 06:30 MST ON JUN 6	478 ON JUN 6	1.998 ON MAR 23	761 000	1980
1981	120 AT 22:00 MST ON JUN 1	107 ON JUN 2	3.58 ON SEP 17	475 000	1981
1982	1 440 AT 13:30 MST ON JUL 16 *	1 110A ON JUL 16 *	1.038 ON MAR 1 *	1 140 000	1982
1983	1 140 AT 17:00 MST ON JUL 27	797A ON JUL 27	2.298 ON MAR 2	1 000 000	1983
1984	442 AT 04:30 MST ON MAY 18	420 ON MAY 18	3.268 ON MAR 14	838 000	1984
1985	20XE AT 05:00 MST ON APR 15	164B ON APR 15	3.44 ON AUG 3	512 000	1985
1986	150 AT 08:00 MST ON JUL 19	151 ON JUL 19	2.56B ON MAR 1	710 000	1986
				798 000	MEAN

A · MANUAL GAUGE (SEE REFERENCE INDEX)
B · ICE CONDITIONS
E · ESTIMATED
* · EXTREME RECORDED FOR THE PERIOD OF RECORD

SIX MILE COULEE SPILLWAY NEAR LETHBRIDGE · STATION NO 05AD020

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1951	---	---	---	---	0.481	3.75	0.899	1.58	0.874	2.12	---	---	1.58	1951
1952	---	---	---	---	1.27	1.56	2.76	2.38	2.71	1.23	---	---	1.98	1952
1953	---	---	---	---	0.770	2.88	0.963	0.011	2.82	2.10	---	---	1.69	1953
1954	---	---	---	---	0.671	2.01	1.23	1.78	2.74	1.72	---	---	1.68	1954
1955	---	---	---	---	0.387	0.701	0.086	0.003	0.003	0.003	---	---	0.189	1955
1956	---	---	---	---	---	0.022	0.095	0.096	0.111	0.072	---	---	---	1956
1957	---	---	---	---	0.384	0.046	0.069	0.293	0.103	0.078	---	---	0.185	1957
1958	---	---	---	---	0.012	0.145	0.259	0.358	0.213	0.055	---	---	0.180	1958
1959	---	---	---	---	0.046	0.087	0.027	0.220	0.144	0.086	---	---	0.098	1959
1960	---	---	---	---	0.030	0.175	0.589	0.341	0.115	0.185	---	---	0.237	1960
1961	---	---	---	---	0.018	0.180	0.374	0.344	0.191	0.101	---	---	0.189	1961
1962	---	---	---	---	0.018	0.171	0.288	0.306	0.087	0.088	---	---	0.146	1962
1963	---	---	---	---	0.178	0.402	0.586	0.205	0.141	0.137	---	---	0.286	1963
1964	---	---	---	---	0.017	0.073	0.300	0.434	0.230	0.191	---	---	0.191	1964
1965	---	---	---	---	0.236	0.089	0.168	0.208	0.083	0.041	---	---	0.132	1965
1966	---	---	---	---	0.077	0.323	0.333	0.152	0.084	0.188	---	---	0.184	1966
1967	---	---	---	---	0.109	0.306	0.484	0.232	0.080	0.068	---	---	0.207	1967
1968	---	---	---	---	0.048	0.051	0.277	0.306	0.227	0.074	---	---	0.164	1968
1969	---	---	---	---	0.034	0.173	0.432	0.480	0.100	0.071	---	---	0.212	1969
MEAN	---	---	---	---	0.282	0.695	0.522	0.512	0.578	0.446	---	---	0.522	MEAN

LOCATION · LAT 49 39 40 N
LONG 112 49 35 W
REGULATED

SIX MILE COULEE SPILLWAY NEAR LETHBRIDGE · STATION NO 05AD020

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1951	---	8.84 ON AUG 12	0 ON MAY 1 *	25 100	1951
1952	---	10.0 ON JUL 17 *	0 ON MAY 1	31 800	1952
1953	---	5.80 ON JUN 23	0.011E ON MAY 1	25 300	1953
1954	---	7.95 ON JUL 12	0 E ON MAY 1	26 800	1954
1955	---	3.17 ON JUN 18	0 E ON MAY 1	3 000	1955
1956	---	0.597 ON JUL 3	---	---	1956
1957	---	1.97 ON MAY 8	0.008 ON OCT 30	2 620	1957
1958	---	1.44 ON SEP 23	0.003 ON MAY 1	2 860	1958
1959	---	0.388 ON MAY 30	0 ON MAY 10	1 560	1959
1960	---	1.29 ON JUN 13	0 ON MAY 5	3 770	1960
1961	---	0.665 ON JUL 26	0 ON MAY 1	3 150	1961
1962	---	0.558 ON JUL 18	0.002 ON MAY 23	2 320	1962
1963	---	2.49 ON JUL 22	0 ON MAY 8	4 230	1963
1964	---	0.985 ON AUG 13	0 ON MAY 27	3 040	1964
1965	---	2.26 ON MAY 7	0 ON JUN 8	2 100	1965
1966	0.561 AT 07 00 MST ON JUL 3 *	0.510 ON JUL 3	0 ON MAY 1	2 930	1966
1967	---	1.09 ON JUL 25	0 ON MAY 1	3 280	1967
1968	---	3.00 ON AUG 23	0.004 ON SEP 5	2 510	1968
1969	---	1.54 ON AUG 24	0 ON MAY 27	3 380	1969
				8 320	MEAN

E · ESTIMATED
* · EXTREME RECORDED FOR THE PERIOD OF RECORD

SLAVE RIVER AT FITZGERALD - STATION NO 07NB001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1921	---	---	---	---	---	7 920	7 930	5 800	5 020	4 340	---	---	---	1921
1922	---	---	---	---	---	7 010	5 890	4 780	3 730	---	---	---	---	1922
1930	---	---	---	---	---	---	---	---	---	3 180	2 000	1 800	---	1930
1931	1 630	1 580	1 410	1 420	---	---	---	---	---	---	---	---	---	1931
1953	---	576	543	861	4 280	5 860	5 240	4 540	3 650	3 380	1 850	1 340	---	1953
1954	1 520	903	595	830	3 660	7 710	7 400	6 270	5 490	4 930	---	---	---	1954
1955	---	---	---	---	---	6 140	6 780	5 560	4 180	3 540	---	---	---	1955
1956	---	---	---	---	---	6 020	5 690	4 530	3 780	---	---	---	---	1956
1957	---	---	---	---	5 390	6 240	5 650	5 040	5 040	3 880	---	---	---	1957
1958	---	---	---	---	---	---	5 660	4 130	3 530	3 550	---	---	---	1958
1959	---	---	---	---	3 640	6 090	6 180	4 830	4 570	3 770	2 380	2 000	---	1959
1960	1 940	1 040	717	937	3 730	6 740	7 360	5 740	5 230	4 560	2 870	1 990	3 590	1960
1961	2 140	2 250	1 970	1 910	4 280	6 930	5 740	4 270	3 740	3 510	1 780	1 590	3 360	1961
1962	1 290	1 030	752	1 210	4 700	6 990	7 730	6 870	5 600	4 660	2 800	1 810	3 790	1962
1963	2 180	2 140	1 950	1 480	5 480	7 250	6 560	5 450	4 580	4 010	2 460	1 880	3 740	1963
1964	1 850	1 140	951	1 020	4 680	7 730	7 490	7 280	6 727	5 280	3 730	2 170	4 080	1964
1965	2 050	2 100	1 910	1 680	5 130	7 110	7 850	5 820	5 010	4 820	2 880	2 130	4 000	1965
1966	2 170	1 980	1 830	2 180	4 910	6 550	6 610	5 780	5 120	4 060	2 280	2 170	3 790	1966
1967	2 000	1 890	1 190	901	4 170	7 800	6 890	5 490	4 330	4 170	2 820	1 870	3 550	1967
1968	1 800	1 370	1 030	1 510	3 720	6 760	6 370	5 640	5 030	3 760	1 930	1 380	3 600	1968
1969	1 260	978	907	1 790	4 950	6 550	5 770	5 250	5 500	5 170	1 720	1 940	3 630	1969
1970	1 270	1 240	1 300	1 930	3 720	6 840	6 070	5 450	5 930	5 830	5 020	1 480	3 590	1970
1971	1 440	1 410	1 350	1 800	4 480	6 910	5 840	4 280	3 570	3 340	1 880	1 720	3 870	1971
1972	1 600	1 380	1 350	1 820	5 020	6 300	6 390	5 580	4 270	5 840	2 400	2 040	3 610	1972
1973	2 280	2 600	2 450	2 820	5 250	5 880	5 730	5 100	4 450	4 080	2 610	1 970	3 800	1973
1974	2 080	1 990	1 920	2 250	7 430	6 990	6 700	5 110	5 380	4 950	3 820	2 360	4 340	1974
1975	2 310	2 380	2 390	2 810	4 980	5 000	4 810	3 880	3 970	3 570	2 370	2 270	3 340	1975
1976	2 030	2 130	2 380	3 310	4 810	5 080	5 870	5 870	4 900	4 300	3 380	2 590	3 880	1976
1977	2 870	2 860	2 440	2 730	4 980	6 060	5 730	6 030	4 080	4 130	3 280	2 390	3 890	1977
1978	2 680	2 780	2 710	2 300	4 120	5 320	4 090	3 480	3 710	3 870	2 980	2 190	3 350	1978
1979	3 380	2 910	3 300	1 910	4 240	6 440	8 110	6 330	3 780	3 340	3 170	2 530	3 990	1979
1980	1 980	2 100	1 950	1 970	2 900	3 900	3 450	3 020	3 270	3 510	2 770	1 800	2 720	1980
1981	1 850	1 880	1 800	2 300	4 970	4 440	3 170	3 040	2 810	2 740	1 930	1 980	2 850	1981
1982	1 820	2 150	1 450	1 580	3 880	4 340	4 250	4 070	3 980	3 360	2 300	2 250	2 830	1982
1983	2 120	1 850	1 290	1 910	3 830	3 820	5 800	4 720	3 780	3 430	2 910	1 830	3 080	1983
1984	2 240	2 000	1 700	2 150	3 650	5 340	4 840	4 080	3 980	4 050	2 380	2 350	3 290	1984
1985	2 400	1 980	1 880	2 850	5 070	5 090	4 480	3 320	3 820	3 980	3 170	2 380	3 380	1985
1986	3 550	2 090	1 880	2 380	4 480	5 170	4 580	3 710	3 080	3 340	2 040	2 230	3 130	1986
MEAN	1 980	1 790	1 580	1 840	4 510	6 950	5 720	4 790	4 170	3 830	2 570	1 990	3 390	MEAN

LOCATION - LAT 59 52 20 N DRAINAGE AREA 805 000 km²
LONG 111 35 00 W REGULATED SINCE 1968

SLAVE RIVER AT FITZGERALD - STATION NO 07NB001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1921	---	8 950 ON JUN 28	---	---	1921
1922	---	8 380 ON JUN 11	---	---	1922
1930	---	---	---	---	1930
1931	---	---	1 4008 ON MAR 31	---	1931
1953	---	6 230 ON JUN 15	5308 ON MAR 22 *	---	1953
1954	---	8 330 ON JUN 29	5448 ON MAR 21	---	1954
1955	---	7 290 ON JUL 1	---	---	1955
1956	---	6 480 ON JUN 20	---	---	1956
1957	---	8 710 ON AUG 20	---	---	1957
1958	---	---	---	---	1958
1959	---	8 880A ON JUL 6	---	---	1959
1960	8 180 AT 05 00 MST ON JUL 8	8 100 ON JUL 8	5448 ON MAR 30	114 000 000	1960
1961	7 480 AT 06 00 MST ON JUN 13	7 420 ON JUN 12	1 3808 ON DEC 20	106 000 000	1961
1962	8 440 AT 20 00 MST ON JUL 5 *	8 380 ON JUL 5	5688 ON APR 4	119 000 000	1962
1963	---	7 4208 ON JUN 19	1 2408 ON APR 21	119 000 000	1963
1964	---	8 870 ON JUN 19	8838 ON APR 10	129 000 000	1964
1965	---	8 750 ON JUL 16	1 0308 ON APR 16	126 000 000	1965
1966	---	7 160 ON JUN 18	1 4208 ON APR 1	120 000 000	1966
1967	---	8 270 ON JUN 28	7738 ON APR 7	113 000 000	1967
1968	---	6 840 ON JUN 20	5948 ON APR 2	82 200 000	1968
1969	---	6 950 ON MAY 6	8278 ON FEB 27	82 200 000	1969
1970	---	6 010 ON JUN 12	1 1808 ON FEB 22	81 700 000	1970
1971	6 510 AT 11 30 MST ON JUL 19	6 510 ON JUL 18	1 3308 ON MAR 5	93 800 000	1971
1972	7 820 AT 18 00 MST ON JUN 18	7 700 ON JUN 18	1 1908 ON FEB 10	111 000 000	1972
1973	---	6 480 ON JUN 25	1 8708 ON DEC 11	120 000 000	1973
1974	---	11 2008 ON MAY 5 *	1 8008 ON MAR 30	137 000 000	1974
1975	---	6 3408 ON JUL 6	2 0408 ON NOV 8	105 000 000	1975
1976	6 820 AT 18 30 MST ON AUG 24	6 770 ON AUG 25	1 8908 ON JAN 16	123 000 000	1976
1977	---	6 880 ON JUN 19	1 8708 ON APR 13	123 000 000	1977
1978	5 780 AT 11 10 MST ON JUN 14	5 750 ON JUN 14	1 8508 ON DEC 31	100 000 000	1978
1979	---	7 3108 ON MAY 20	1 7308 ON APR 14	113 000 000	1979
1980	4 930 AT 18 09 MST ON JUN 13	4 870 ON JUN 13	1 4408 ON DEC 18	85 000 000	1980
1981	---	5 5408 ON MAY 9	1 0908 ON JAN 26	83 400 000	1981
1982	6 280 AT 20 31 MST ON JUL 22	6 180 ON JUL 23	1 1708 ON MAR 24	92 100 000	1982
1983	6 290 AT 18 24 MST ON JUL 24	6 280 ON JUL 23	1 1908 ON APR 15	96 400 000	1983
1984	6 210 AT 21 23 MST ON JUN 16	6 180 ON JUN 16	1 8008 ON APR 12	103 000 000	1984
1985	---	5 0008 ON MAY 11	1 7008 ON MAR 13	108 000 000	1985
1986	5 780 AT 00 20 MST ON JUN 6	5 740 ON JUN 6	1 8008 ON NOV 10	98 800 000	1986
				107 000 000	MEAN

A - MANUAL GAUGE B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
(SEE REFERENCE INDEX) E - ESTIMATED

SMITH-DORRIEN CREEK NEAR MOUTH - STATION NO 05BF006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1932	---	---	---	---	---	17.1	6.92	4.46	2.84	1.24	---	---	---	1932
1933	---	---	---	---	---	12.8	9.80	4.90	2.25	1.38	---	---	---	1933
MEAN	---	---	---	---	---	15.0	8.36	4.68	2.55	1.31	---	---	---	MEAN

LOCATION - LAT 50 41 07 N LONG 115 03 47 W
DRAINAGE AREA, 131 km²
NATURAL FLOW

SMITH-DORRIEN CREEK NEAR MOUTH - STATION NO 05BF006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1932	---	34.8E ON JUN 2 *	---	---	1932
1933	---	28.1 ON JUN 15	---	---	1933
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

E - ESTIMATED

SMOKY RIVER ABOVE HELLS CREEK - STATION NO 07GA001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	---	---	134	177	180	180	112	49.6	33.4	16.9	---	1968
1969	14.8	12.5	14.1	30.4	128	250	152	100	98.7	62.4	33.2	11.4	83.5	1969
1970	11.3	13.1	11.0	15.1	76.1	302	186	107	50.5	37.0	16.5	11.3	68.2	1970
1971	10.6	15.0	12.5	18.3	148	306	246	148	84.0	65.3	31.5	21.1	92.7	1971
1972	13.9	11.7	12.0	14.1	152	442	195	148	---	---	26.2	16.6	---	1972
1973	14.8	11.6	11.8	13.7	138	244	170	110	70.2	62.5	22.7	21.7	73.8	1973
1974	14.1	11.6	11.1	17.2	82.2	306	224	129	80.7	58.6	27.6	21.6	83.3	1974
1975	15.7	10.9	10.2	12.8	84.6	195	259	102	65.4	39.7	37.1	19.4	69.8	1975
1976	12.5	13.5	12.0	26.6	140	184	228	189	115	52.0	25.1	21.6	84.3	1976
1977	15.3	13.6	10.3	27.3	112	259	231	158	74.2	42.3	22.8	19.7	82.6	1977
1978	13.6	10.2	11.8	19.8	72.5	232	213	107	91.9	67.9	35.4	21.6	74.2	1978
1979	14.7	11.0	12.4	13.1	78.2	268	238	121	87.2	37.7	16.9	10.1	74.4	1979
1980	10.0	9.33	9.07	34.1	136	257	193	114	85.6	80.8	26.8	21.6	77.4	1980
1981	24.2	12.7	13.8	19.4	198	187	191	139	69.0	28.5	25.1	11.8	72.2	1981
1982	11.4	11.1	9.07	12.9	88.2	252	301	171	128	96.9	23.2	15.6	89.2	1982
1983	13.9	11.2	11.2	19.4	91.8	165	174	108	71.7	41.0	34.2	14.1	63.4	1983
1984	14.8	13.0	11.2	19.1	69.6	283	232	198	116	62.7	29.2	15.5	82.0	1984
1985	12.8	13.0	15.8	15.8	129	241	215	103	75.2	43.1	20.9	14.6	75.4	1985
1986	13.4	9.83	13.2	13.9	138	326	267	110	84.5	48.8	23.5	17.3	87.5	1986
MEAN	14.0	12.0	11.8	19.2	112	253	211	135	84.6	52.7	26.8	17.6	79.2	MEAN

LOCATION - LAT 59 56 46 N LONG 119 09 40 W
DRAINAGE AREA, 3 840 km²
NATURAL FLOW

SMOKY RIVER ABOVE HELLS CREEK - STATION NO 07GA001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1968	294 AT 08 40 MST ON MAY 21	288 ON MAY 21	---	---	1968
1969	498 AT 21 58 MST ON AUG 5	399 ON JUN 4	8 900 ON DEC 10	2 640 000	1969
1970	552 AT 05 20 MST ON JUN 4	537 ON JUN 4	8 260 ON JAN 15	2 150 000	1970
1971	544E ON JUN 8	515 ON JUN 9	9 430 ON JAN 16	2 920 000	1971
1972	1 380 AT 16 00 MST ON JUN 12 *	1 230 ON JUN 12 *	10 400 ON MAR 4	---	1972
1973	575 AT 13 00 MST ON JUN 24	547 ON JUN 24	10 800 ON FEB 17	2 330 000	1973
1974	566 AT 05 30 MST ON JUN 17	532 ON JUN 16	10 500 ON MAR 17	2 630 000	1974
1975	433 AT 16 30 MST ON JUL 10	386 ON JUL 6	9 200 ON FEB 26	2 200 000	1975
1976	385 AT 04 00 MST ON JUN 20	365 ON JUL 1	9 000 ON MAR 24	2 730 000	1976
1977	515 AT 07 30 MST ON JUN 8	484 ON JUN 6	8 550 ON MAR 22	2 600 000	1977
1978	459 AT 13 10 MST ON JUL 11	389 ON JUL 11	9 295 ON FEB 9	2 340 000	1978
1979	424 AT 09 50 MST ON JUN 4	409 ON JUN 5	9 100 ON DEC 24	2 250 000	1979
1980	520 AT 19 10 MST ON JUN 4	446 ON JUN 4	9 795 ON MAR 5 *	2 450 000	1980
1981	426 AT 13 00 MST ON MAY 26	402 ON MAY 26	9 300 ON DEC 17	2 280 000	1981
1982	558 AT 05 45 MST ON JUN 15	513 ON JUN 15	8 190 ON FEB 24	2 130 000	1982
1983	---	3E0E ON JUL 14	8 470 ON MAR 21	2 000 000	1983
1984	442 AT 07 20 MST ON JUN 14	424 ON JUN 14	8 730 ON MAR 13	2 590 000	1984
1985	---	3B8E ON JUN 30	8 908 ON DEC 28	2 380 000	1985
1986	617 AT 08 33 MST ON MAY 29	587 ON MAY 29	8 670 ON FEB 16	2 760 000	1986
				2 500 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SMOKY RIVER AT WATINO - STATION NO 07GJ001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	873	1 380	464	241	213	93 0	46 3	---	1915
1916	33 3	46 2	52 6	197	444	785	926	342	242	220	132	57 4	291	1916
1917	43 3	36 8	31 8	279	1 510	1 260	587	285	187	191	106	57 4	380	1917
1918	80 7	57 0	41 7	311	581	1 120	1 050	435	239	149	79 5	59 8	351	1918
1919	41 7	23 3	23 5	186	311	1 130	607	414	495	197	87 1	71 6	296	1919
1920	66 8	47 6	43 1	130	1 890	1 680	1 070	588	406	424	149	87 5	548	1920
1921	57 5	45 7	72 9	491	1 080	1 070	526	405	301	294	---	---	---	1921
1922	---	---	---	---	---	724	357	281	182	---	---	---	---	1922
1955	---	---	---	---	590	1 550	539	462	158	96 0	51 9	37 8	---	1955
1956	29 4	27 6	28 1	556	690	989	386	338	206	168	120	52 1	297	1956
1957	35 1	24 0	29 7	363	1 030	853	597	841	335	309	305	142	382	1957
1958	158	46 2	38 9	418	902	846	542	176	184	194	77 7	43 4	301	1958
1959	35 8	79 2	37 6	170	805	994	574	305	447	295	220	127	331	1959
1960	59 7	43 0	84 6	341	858	1 680	927	305	143	138	79 0	88 9	393	1960
1961	46 7	30 1	34 4	86 5	482	842	450	204	171	286	144	40 2	219	1961
1962	31 1	47 7	21 9	586	1 000	940	834	420	340	181	136	84 3	383	1962
1963	61 8	54 2	68 5	721	1 250	988	475	286	227	170	89 9	83 4	370	1963
1964	45 8	49 3	36 2	184	890	1 480	1 080	1 200	853	476	143	77 1	526	1964
1965	83 7	52 9	84 7	833	1 200	1 440	1 680	540	511	418	170	83 8	587	1965
1966	60 3	52 4	56 8	880	1 250	871	881	845	376	216	117	74 9	425	1966
1967	64 8	58 8	49 1	155	1 280	1 750	583	317	184	129	86 5	47 9	391	1967
1968	50 5	57 9	84 6	152	727	1 140	683	480	279	165	108	45 7	331	1968
1969	36 1	31 2	31 6	488	896	805	339	386	484	240	89 0	86 6	287	1969
1970	38 5	35 5	48 6	373	538	770	344	223	133	112	46 0	37 2	224	1970
1971	31 1	31 5	29 4	331	883	1 470	1 450	344	224	315	128	72 9	428	1971
1972	50 7	38 2	85 5	478	1 140	1 840	572	386	186	411	159	84 1	450	1972
1973	85 4	67 0	55 6	523	895	805	484	297	187	276	149	92 0	343	1973
1974	59 6	54 9	46 8	900	1 550	1 030	598	298	217	242	71 5	45 2	428	1974
1975	46 5	33 1	32 5	158	500	777	807	252	172	111	127	54 7	257	1975
1976	50 3	52 0	41 3	554	890	915	807	1 100	483	219	101	66 1	442	1976
1977	68 6	65 1	54 3	526	1 220	1 100	889	525	348	388	101	76 1	469	1977
1978	46 8	42 3	58 7	213	549	874	605	297	480	275	182	75 9	307	1978
1979	45 8	36 9	62 1	259	1 080	1 330	881	287	152	115	43 6	24 7	358	1979
1980	28 0	25 5	28 8	259	578	1 400	824	315	384	256	114	85 7	341	1980
1981	79 6	63 8	87 2	355	837	880	431	331	136	80 7	91 4	26 5	270	1981
1982	22 9	26 9	37 7	108	881	992	1 470	1 030	462	223	84 6	57 8	453	1982
1983	47 7	36 2	36 9	223	488	859	1 300	409	214	137	117	56 2	328	1983
1984	47 1	47 1	50 4	188	850	932	523	284	480	383	132	58 9	313	1984
1985	51 2	42 6	59 2	355	800	880	435	251	402	345	110	70 7	284	1985
1986	48 3	38 1	70 3	351	827	986	840	283	189	296	94 9	75 5	341	1986
MEAN	53 0	44 0	48 5	363	873	1 070	785	423	292	240	116	64 5	384	MEAN

LOCATION - LAT 55 42 56 N
LONG 117 37 19 W

DRAINAGE AREA 50 300 km²
NATURAL FLOW

SMOKY RIVER AT WATINO - STATION NO 07GJ001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	---	---	---	1915
1916	---	2 780 ON JUL 5	29.28 ON JAN 26	9 190 000	1916
1917	---	2 620 ON MAY 22	28.28 ON FEB 19	12 800 000	1917
1918	---	1 720 ON JUL 14	37.48 ON MAR 5	11 100 000	1918
1919	---	2 920 ON JUN 12	19.08 ON FEB 8	9 350 000	1919
1920	---	3 1108 ON MAY 9	32.68 ON MAR 22	17 300 000	1920
1921	---	1 580 ON JUN 8	---	---	1921
1922	---	---	---	---	1922
1955	4 820 AT 12:00 MST ON JUN 2	4 500 ON JUN 2	---	---	1955
1956	2 190 AT 07:00 MST ON JUN 13	2 150 ON JUN 13	14.08 ON DEC 12 *	9 410 000	1956
1957	1 920 AT 06:00 MST ON AUG 13	1 850 ON AUG 13	20.28 ON FEB 2	12 300 000	1957
1958	2 570 AT 02:00 MST ON JUN 30	2 300 ON JUN 30	29.48 ON DEC 10	9 480 000	1958
1959	1 950 AT 11:00 MST ON JUN 28	1 850 ON JUN 28	24.38 ON FEB 13	10 100 000	1959
1960	5 040 AT 02:00 MST ON JUN 23	4 420 ON JUN 23	30.88 ON FEB 9	12 400 000	1960
1961	1 420 AT 18:00 MST ON JUL 2	1 280 ON JUL 3	20.68 ON DEC 26	8 900 000	1961
1962	2 450 AT 05:00 MST ON JUL 20	2 250 ON JUL 20	17.38 ON MAR 8	12 100 000	1962
1963	---	2 010 ON APR 29	34.88 ON DEC 28	11 700 000	1963
1964	3 260 AT 21:00 MST ON AUG 3	3 080 ON AUG 4	29.78 ON MAR 24	16 800 000	1964
1965	5 520 AT 14:00 MST ON JUL 10	5 210 ON JUL 10	37.98 ON DEC 31	18 500 000	1965
1966	2 440 AT 17:00 MST ON MAY 12	2 300 ON MAY 12	33.18 ON FEB 15	13 400 000	1966
1967	---	2 200A ON JUN 3	33.78 ON DEC 27	12 300 000	1967
1968	2 440 AT 14:15 MST ON JUN 14	2 370 ON JUN 14	38.88 ON JAN 16	10 500 000	1968
1969	1 130 AT 14:00 MST ON APR 30	1 100 ON APR 30	25.18 ON JAN 29	8 050 000	1969
1970	1 550 AT 14:00 MST ON JUN 5	1 480 ON JUN 5	28.68 ON MAR 9	7 080 000	1970
1971	4 700 AT 05:00 MST ON JUL 13	4 450 ON JUL 13	26.98 ON JAN 27	13 500 000	1971
1972	9 200 AT 05:00 MST ON JUN 14 *	8 180 ON JUN 14 *	29.48 ON MAR 5	14 200 000	1972
1973	1 480 AT 11:30 MST ON MAY 18	1 380 ON MAY 18	46.48 ON MAR 24	10 800 000	1973
1974	2 740A AT 01:00 MST ON APR 27	2 690A ON APR 27	33.48 ON NOV 27	13 500 000	1974
1975	---	1 710A ON JUN 30	28.98 ON APR 1	8 100 000	1975
1976	2 720 AT 20:00 MST ON AUG 18	2 450 ON AUG 18	36.28 ON MAR 14	14 000 000	1976
1977	2 830A AT 10:30 MST ON MAY 7	2 480A ON MAY 7	40.88 ON MAR 27	14 200 000	1977
1978	1 830A AT 02:00 MST ON JUN 17	1 780A ON JUN 17	41.18 ON FEB 20	9 690 000	1978
1979	2 810 AT 20:30 MST ON JUN 15	2 380 ON JUN 15	19.38 ON DEC 2	11 200 000	1979
1980	3 720 AT 01:30 MST ON JUN 6	3 400 ON JUN 6	23.48 ON FEB 7	10 800 000	1980
1981	1 400 AT 19:30 MST ON MAY 27	1 350 ON MAY 28	19.78 ON DEC 31	8 520 000	1981
1982	8 020 AT 23:30 MST ON JUL 18	6 830A ON JUL 17	18.08 ON JAN 4	14 300 000	1982
1983	3 040 AT 19:30 MST ON JUL 27	2 890 ON JUL 28	32.28 ON JAN 30	10 300 000	1983
1984	1 830 AT 17:30 MST ON MAY 18	1 710 ON JUN 10	41.08 ON MAR 13	9 890 000	1984
1985	1 020 AT 15:30 MST ON MAY 24	1 020 ON MAY 26	35.88 ON FEB 20	8 970 000	1985
1986	1 980 AT 12:00 MST ON MAY 30	1 910 ON MAY 30	31.08 ON FEB 22	10 800 000	1986
				11 500 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SNAKE CREEK NEAR VULCAN - STATION NO 05AC030

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR FEB TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	---	---	---	---	---	---	---	0	---	---	---	1980
1981	---	---	0.055	0.026	0.135	0.005	0	0	0	0	---	---	---	1981
1982	---	---	0.045	0.151	0.002	0.010	0.049	0.003	0	0	---	---	---	1982
1983	---	---	0.142	0.057	0.016	0	0	0.001	0	0	---	---	---	1983
1984	---	0	0.001	0.001	0	0	0	0	0.001	0.002	---	---	0.001	1984
1985	---	0.009	0.808	0.045	0.001	0	0	0	0.001	0.001	---	---	0.075	1985
1986	---	0.086	0.085	0	0.014	0.001	0	0	0.003	0.001	---	---	0.018	1986
MEAN	---	0.032	0.152	0.047	0.028	0.003	0.008	0.001	0.001	0.001	---	---	0.031	MEAN

LOCATION - LAT 50 28 20 N, LONG 112 54 46 W DRAINAGE AREA 350 km^2, NATURAL FLOW

SNAKE CREEK NEAR VULCAN - STATION NO 05AC030

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR FEB TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1980	---	---	---	---	1980
1981	0.580 AT 13:10 MST ON MAY 18	0.552 ON MAY 18	0A ON SEP 18 *	---	1981
1982	1.16 AT 06:33 MST ON JUN 28	0.807 ON APR 12	0 ON JUN 22	---	1982
1983	1.37 AT 18:11 MST ON MAR 11	1.01 ON MAR 12	0B ON FEB 23	---	1983
1984	0.031 AT 16:38 MST ON OCT 25	0.023 ON OCT 25	0B ON FEB 26	---	1984
			0B ON FEB 1	11.9	
1985	4.31 B AT 16:48 MST ON MAR 17 *	2.66 B ON MAR 17 *	0 ON FEB 1	1 770	1985
1986	1.54 AT 18:31 MST ON FEB 27	0.855 ON FEB 28	0B ON FEB 1	433	1986
				738	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SNAKE INDIAN RIVER NEAR THE MOUTH - STATION NO 07AB002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	---	---	49.4	138	103	46.3	28.8	17.4	---	---	63.3	1971
1972	---	---	---	---	51.8	210	74.6	45.1	22.0	---	---	---	---	1972
1973	---	---	---	---	44.1	98.7	59.9	35.8	21.5	---	---	---	---	1973
1974	---	---	---	---	---	---	---	45.6	20.8	13.2	---	---	---	1974
1975	---	---	---	---	18.7	52.7	73.5	27.9	17.5	11.6	---	---	33.6	1975
1976	---	---	---	---	34.1	53.9	77.8	85.5	---	---	---	---	---	1976
1977	---	---	---	---	28.4	84.1	70.9	54.0	24.8	15.6	---	---	46.4	1977
1978	---	---	---	---	24.0	84.4	81.5	38.3	42.8	22.8	---	---	48.8	1978
1979	---	---	---	---	25.5	78.2	86.6	36.2	21.2	14.1	---	---	40.2	1979
1980	---	---	---	---	38.6	103	81.9	41.3	30.6	21.2	---	---	47.5	1980
1981	---	---	---	---	51.4	80.5	49.9	40.6	25.5	10.9	---	---	38.1	1981
1982	---	---	---	---	22.0	111	84.5	46.0	36.8	23.7	---	---	53.8	1982
1983	---	---	---	---	28.6	55.8	47.5	33.6	18.5	12.3	---	---	32.8	1983
1984	---	---	---	---	13.9	84.9	87.1	39.8	35.2	23.1	---	---	40.6	1984
1985	---	---	---	---	40.2	83.1	86.2	32.6	24.4	15.1	---	---	38.5	1985
1986	---	---	---	---	36.2	93.2	84.6	34.8	20.9	18.7	---	---	44.2	1986
MEAN	---	---	---	---	33.9	89.6	86.6	41.5	25.9	18.7	---	---	44.0	MEAN

LOCATION - LAT 53 09 28 N DRAINAGE AREA 1 580 km²
LONG 118 01 58 W NATURAL FLOW

SNAKE INDIAN RIVER NEAR THE MOUTH - STATION NO 07AB002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1971	---	323 ON JUN 9	8 508 ON OCT 28	1 010 000	1971
1972	984 AT 17 30 MST ON JUN 12 *	532 ON JUN 12 *	---	---	1972
1973	---	227E ON JUN 24	---	---	1973
1974	---	---	---	---	1974
1975	125 AT 02 30 MST ON JUL 10	119 ON JUL 10	7 798 ON MAY 1	535 000	1975
1976	123 AT 21 00 MST ON JUL 1	118 ON JUL 1	---	---	1976
1977	187 AT 09 00 MST ON JUN 8	161 ON JUN 8	11 0 E ON MAY 1	738 000	1977
1978	326 AT 01 30 MST ON JUL 12	259 ON JUL 12	13 3 ON MAY 7	776 000	1978
1979	183 AT 10 00 MST ON JUN 5	158 ON JUN 5	10 3 ON OCT 31	839 000	1979
1980	170 AT 12 10 MST ON JUN 17	152 ON JUN 17	13 0 ON OCT 31	755 000	1980
1981	134 AT 03 40 MST ON MAY 27	128 ON MAY 28	9 00E ON OCT 31	807 000	1981
1982	172 AT 18 55 MST ON JUN 28	185 ON JUN 22	8 70E ON MAY 8	854 000	1982
1983	111 AT 04 20 MST ON MAY 31	105 ON MAY 31	9 73 ON OCT 24	522 000	1983
1984	184 AT 22 45 MST ON JUN 29	160 ON JUN 30	7 78A ON MAY 1	845 000	1984
1985	131 AT 01 55 MST ON JUL 1	120 ON JUN 30	6 48E ON MAY 1 *	613 000	1985
1986	205 AT 07 00 MST ON MAY 29	196 ON MAY 29	6 45E ON MAY 2	704 000	1986
				700 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SNOWFENCE CREEK AT PLATEAU MOUNTAIN - STATION NO 05AA025

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	0.001	0	0	---	---	---	---	---	---	1966
1967	---	---	---	---	0.002	0.001	0	0	0	---	---	---	---	1967
MEAN	---	---	---	---	0.002	0.001	0	0	0	---	---	---	---	MEAN

LOCATION - LAT 50 12 36 N DRAINAGE AREA 04 km²
LONG 114 32 40 W NATURAL FLOW

SNOWFENCE CREEK AT PLATEAU MOUNTAIN - STATION NO 05AA025

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1966	---	0.005 ON MAY 20	0E ON MAY 1 *	---	1966
1967	0.024 AT 14 00 MST ON JUN 17 *	0.011 ON MAY 30 *	0E ON MAY 1	---	1967
				---	MEAN

E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SOUNDING CREEK NEAR CHINOOK - STATION NO 05GA012

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	---	---	0	0	0	0	0	0	---	---	---	1984
1985	---	---	0	0.843	0.011	0	0	0	0	0	---	---	0.105	1985
1986	---	---	0.024	0	0	0	0	0	0	0	---	---	0.003	1986
MEAN	---	---	0.012	0.422	0.004	0	0	0	0	0	---	---	0.054	MEAN

LOCATION - LAT 51 32 52 N DRAINAGE AREA 2 280 km²
LONG 110 55 11 W NATURAL FLOW

SOUNDING CREEK NEAR CHINOOK - STATION NO. 05GA012

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	---	0 ON APR 11	0 ON APR 11 *	---	1984
1985	---	3.63 B ON APR 3 *	0B ON MAR 1	2 220	1985
1986	---	0.1138 ON MAR 1	0 ON MAR 24	64.7	1986
				1 140	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SOUNDING CREEK NEAR OYEN - STATION NO. 05GA008

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	0.020	0	0	0	0.018	0.105	0.184	0.001	---	---	0.038	1968
1970	---	---	0.083	1.83	---	0.084	0.098	0	0.001	0.002	---	---	---	1970
1971	---	---	0	2.03	0.180	0.001	0	0	0	0	---	---	0.272	1971
1972	---	---	0.042	0.098	0.003	0	0.016	0.001	0	0	---	---	0.020	1972
1973	---	---	0.073	0.205	0.011	0.888	0.045	0.075	0.005	0.005	---	---	0.161	1973
1974	---	---	0	4.42	2.49	0.854	0.095	0	0	0	---	---	0.873	1974
1975	---	---	0	0.534	---	0.189	0.008	0	0	0	---	---	---	1975
1976	---	---	0.281	---	0.008	0	0.008	0	0	0	---	---	---	1976
1977	---	---	0	0	0.004	0	0	0	0.008	0.025	---	---	0.005	1977
1978	---	---	0.083	0.104	0.004	0.008	0.005	0	0	0	---	---	0.023	1978
1979	---	---	0.243	0.007	0	0	0	0.013	0	0	---	---	0.033	1979
1980	---	---	0	0.050	0	0.001	0	0	0	0	---	---	0.006	1980
1981	---	---	0.041	0	0	0	0.011	0	0	0	---	---	0.007	1981
1982	---	---	0.006	0.187	0.002	0.012	0.004	0.001	0	0.001	---	---	0.025	1982
1983	---	---	0.108	0.007	0.003	0.002	0.029	0.001	0	0	---	---	0.019	1983
1984	---	---	0.003	0.002	0	0	0	0	0.006	0.001	---	---	0.001	1984
1985	---	---	0.089	1.86	0.021	0.001	0	0	0	0	---	---	0.214	1985
1986	---	---	0.018	0	0	0	0	0	0	0	---	---	0.002	1986
MEAN	---	---	0.066	0.843	0.170	0.112	0.018	0.011	0.010	0.002	---	---	0.120	MEAN

LOCATION - LAT 51 33 55 N LONG 110 38 25 W
DRAINAGE AREA, 3 000 km^2
REGULATED

SOUNDING CREEK NEAR OYEN - STATION NO. 05GA008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	2.00 ON SEP 21	0B ON MAR 29 *	811	1968
1970	---	9.71 B ON APR 9	0B ON MAR 1	---	1970
1971	---	7.39 A ON APR 17	0B ON MAR 1	5 750	1971
1972	---	0.4818 ON MAR 24	0B ON MAR 1	424	1972
1973	10.2 AT 23 00 MST ON JUN 15 *	7.82 ON JUN 16	0B ON MAR 1	3 410	1973
1974	---	20.1 B ON APR 19 *	0B ON MAR 1	20 500	1974
1975	---	1.84 B ON APR 23	0 ON MAR 1	---	1975
1976	---	---	0B ON MAR 1	---	1976
1977	---	0.081A ON OCT 2	0 ON MAR 1	98.8	1977
1978	---	0.863E ON APR 25	0B ON MAR 1	480	1978
1979	---	1.27 B ON MAR 16	0B ON MAR 1	705	1979
1980	0.598 AT 09 00 MST ON APR 4	0.448 ON APR 4	0B ON MAR 1	131	1980
1981	---	0.1658 ON MAR 13	0B ON MAR 1	140	1981
1982	---	1.31 B ON APR 13	0B ON MAR 1	555	1982
1983	---	0.8988 ON MAR 12	0B ON MAR 1	397	1983
1984	0.082 AT 23 31 MST ON SEP 23	0.045 ON SEP 24	0B ON MAR 1	31.0	1984
1985	---	5.13 B ON APR 3	0B ON MAR 1	4 530	1985
1986	---	0.0328 ON MAR 11	0 ON MAR 23	44.0	1986
				2 530	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SOUSA CREEK NEAR HIGH LEVEL - STATION NO 070A001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	---	---	---	---	---	0.083	0.028	0.095	---	---	---	1970
1971	---	---	0	1.55	3.28	0.759	0.417	0.099	0.036	0.235	---	---	0.797	1971
1972	---	---	0	0.222	16.4	2.60	0.501	0.088	0.005	0.008	---	---	2.49	1972
1973	---	---	0	1.04	3.97	3.83	3.83	7.09	3.89	2.25	---	---	3.22	1973
1974	---	---	0.002	9.81	15.2	5.82	2.80	1.14	0.553	0.278	---	---	4.37	1974
1975	---	---	0	1.09	4.21	2.72	1.45	0.210	0.288	0.180	---	---	1.28	1975
1976	---	---	0	1.87	2.08	7.57	5.32	9.80	5.01	2.80	---	---	4.41	1976
1977	---	---	0.027	4.05	6.90	28.1	4.11	0.585	0.050	0.014	---	---	5.42	1977
1978	---	---	0	0.075	3.26	4.40	0.782	0.188	1.79	1.51	---	---	1.49	1978
1979	---	---	0	0.259	17.7	16.8	3.35	0.873	0.392	0.228	---	---	4.91	1979
1980	---	---	0.001	0.333	0.138	0.119	0.267	0.023	0.014	0.018	---	---	0.113	1980
1981	---	---	0	1.49	10.5	1.08	0.089	0.006	0.003	0.008	---	---	1.88	1981
1982	---	---	0	0.070	3.43	0.458	0.012	0.014	0.011	0.020	---	---	0.505	1982
1983	---	---	0	0.574	2.84	0.854	0.021	0.011	0.009	0.006	---	---	0.490	1983
1984	---	---	0	0.011	0.117	0.728	5.05	0.384	3.22	1.04	---	---	1.32	1984
1985	---	---	0.003	3.44	13.5	1.20	0.323	0.367	1.18	1.58	---	---	2.75	1985
1986	---	---	0	1.02	6.08	5.06	3.95	1.16	0.256	0.412	---	---	2.24	1986
MEAN	---	---	0.002	1.88	8.86	5.10	2.00	1.29	1.03	0.815	---	---	2.34	MEAN

LOCATION - LAT 58 35 29 N DRAINAGE AREA, 818 km²
LONG 118 29 35 W NATURAL FLOW

SOUSA CREEK NEAR HIGH LEVEL - STATION NO 070A001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1970	---	---	---	---	1970
1971	---	---	---	18 900	1971
1972	36.5 AT 24 00 MST ON MAY 12	8.50 E ON APR 27	0 B ON MAR 1 *	82 800	1972
1973	15.1 AT 14 00 MST ON AUG 22	34.5 ON MAY 13	0 B ON MAR 1	68 100	1973
1974	38.0 AT 24 00 MST ON APR 29	15.0 ON AUG 22	0 B ON MAR 1	92 500	1974
1975	6.80 AT 02 00 MST ON MAY 3	35.7 ON APR 29	0 B ON MAR 1	25 800	1975
1976	24.1 A ON AUG 20	6.48 ON MAY 3	0 B ON MAR 1	93 300	1976
1977	78.7 AT 03 30 MST ON JUN 12 *	22.7 A ON AUG 20	0 B ON MAR 1	115 000	1977
1978	9.46 AT 18 30 MST ON MAY 30	71.4 ON JUN 12 *	0.012 ON OCT 18	31 800	1978
1979	51.7 AT 12 00 MST ON MAY 31	9.46 ON MAY 30	0 B ON MAR 1	104 000	1979
1980	1.40 AT 12 30 MST ON APR 18	50.7 ON MAY 31	0 B ON MAR 1	2 400	1980
1981	26.3 AT 22 00 MST ON MAY 4	0.945E ON JUL 25	0 B ON MAR 1	35 100	1981
1982	---	25.0 ON MAY 5	0 B ON MAR 1	10 700	1982
1983	4.30 AT 19 00 MST ON MAY 12	8.05 E ON MAY 7	0 B ON MAR 1	10 400	1983
1984	9.26 AT 03 00 MST ON JUL 11	4.27 ON MAY 12	0 B ON MAR 1	27 900	1984
1985	33.9 AT 19 30 MST ON MAY 7	9.08 ON JUL 11	0 B ON MAR 3	58 400	1985
1986	16.1 AT 07 30 MST ON JUN 26	33.4 ON MAY 8	0 B ON MAR 4	47 500	1986
		16.0 ON JUN 26		49 800	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SOUTH FORK MILK RIVER NEAR BABB - STATION NO 11AA033

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1961	---	---	---	---	2.14	1.18	0.595	0.184	0.317	0.438	---	---	---	1961
1962	---	---	1.08	3.53	1.70	1.18	0.540	0.284	0.232	0.288	---	---	1.09	1962
1963	---	1.30	0.670	0.730	0.930	1.49	0.690	0.157	0.142	0.143	---	---	0.805	1963
1964	---	---	0.189	1.32	3.17	9.37	1.58	0.585	0.885	0.492	---	---	2.15	1964
1965	---	---	0.489	3.87	3.83	3.40	1.51	0.853	0.812	0.473	---	---	1.87	1965
1966	---	---	1.34	1.98	1.83	3.03	1.25	0.487	0.272	0.438	---	---	1.32	1966
1967	---	---	0.599	1.37	2.76	6.01	1.74	0.657	0.309	0.489	---	---	2.24	1967
1968	---	---	0.848	1.02	1.95	2.09	0.833	0.850	0.787	0.618	---	---	1.11	1968
1969	---	---	0.472	4.34	1.75	2.80	1.27	0.382	0.285	0.489	---	---	1.46	1969
1970	---	---	0.290	1.06	5.41	3.43	1.17	0.515	0.418	0.428	---	---	1.59	1970
1971	---	---	0.343	2.91	4.75	3.29	1.32	0.502	0.440	0.512	---	---	1.78	1971
1972	---	---	3.84	3.17	5.47	5.25	2.17	1.14	0.709	0.880	---	---	2.80	1972
1973	---	---	0.751	1.12	1.15	0.712	0.179	0.051	0.116	0.187	---	---	0.529	1973
1974	---	---	0.807	2.69	2.84	2.41	1.17	0.639	0.386	0.367	---	---	1.41	1974
1975	---	---	0.278	1.13	5.45	13.2	2.74	1.12	0.615	0.833	---	---	3.16	1975
1976	---	---	0.791	2.82	2.84	1.82	0.748	0.554	0.215	0.240	---	---	1.20	1976
1977	---	---	0.188	0.648	0.288	0.025	0	0.018	0.092	0.183	---	---	0.177	1977
1978	---	---	1.75	1.71	2.65	1.97	1.36	0.703	1.00	0.535	---	---	1.48	1978
1979	---	---	1.54	2.35	4.09	2.07	0.838	0.418	0.151	0.200	---	---	1.48	1979
1980	---	---	0.300	2.64	1.81	1.85	0.429	0.504	0.440	0.427	---	---	1.02	1980
1981	---	---	0.610	0.878	2.83	1.94	0.907	0.387	0.171	0.317	---	---	1.02	1981
1982	---	---	0.468	2.32	2.43	2.15	0.892	0.320	0.270	0.372	---	---	1.18	1982
1983	---	---	0.484	0.758	0.849	0.638	0.349	0.052	0.077	0.144	---	---	0.418	1983
1984	---	---	0.262	0.588	0.456	0.631	0.158	0.107	0.170	0.244	---	---	0.325	1984
1985	---	---	0.285	1.80	1.28	1.23	0.255	0.298	0.825	1.05	---	---	0.871	1985
1986	---	---	1.82	1.36	1.78	1.30	0.482	0.210	0.704	0.592	---	---	1.00	1986
MEAN	---	1.30	0.812	1.92	2.71	2.85	0.868	0.444	0.408	0.430	---	---	1.33	MEAN

LOCATION - LAT 48 45 14 N DRAINAGE AREA, 181 km²
LONG 113 10 00 W NATURAL FLOW
INTERNATIONAL GAUGING STATION

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURED OUTSIDE THE STANDARD PERIOD IN 1983 AND 1985

SOUTH FORK MILK RIVER NEAR BABB - STATION NO. 11AA033

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1961	3.68 ON MAY 18	3.37 ON MAY 17	---	---	1961
1962	10.3 ON APR 14	7.36 ON APR 4	0.138 ON AUG 19	23 100	1962
1963	---	4.22 ON JUN 6	0.048 ON SEP 9	12 800	1963
1964	340 AT 13:00 MDT ON JUN 8 *	140 ON JUN 8	0.0578 ON MAR 24	45 500	1964
1965	9.06 AT 06:00 MDT ON MAY 26	7.65 ON APR 29	0.2278 ON MAR 27	39 600	1965
1966	15.2 AT 15:45 MDT ON JUN 4	12.1 ON JUN 4	0.1428 ON MAR 3	26 000	1966
1967	29.4 AT 23:30 MDT ON MAY 8	17.3 ON MAY 30	0.1988 ON MAR 8	47 400	1967
1968	9.40 AT 22:45 MDT ON JUN 7	6.88 ON MAY 23	0.278 ON SEP 17	23 500	1968
1969	11.2 AT 00 15 MDT ON APR 7	8.51 ON JUN 26	0.1278 ON MAR 10	30 800	1969
1970	22.7 AT 20:00 MDT ON JUN 13	14.8 ON MAY 7	0.2128 ON MAR 2	33 700	1970
1971	8.81 AT 16:15 MST ON MAY 6	8.64 ON MAY 5	0.170 ON MAR 23	37 100	1971
1972	30.0 AT 09:30 MST ON JUN 9	15.1 E ON MAR 16	0.3118 ON MAR 4	59 200	1972
1973	1.87 AT 08:00 MST ON APR 12	1.70 ON APR 12	0 ON AUG 23 *	11 200	1973
1974	8.26 AT 07:15 MST ON MAY 1	5.72 ON MAY 1	0.1428 ON MAR 8	29 800	1974
1975	283 AT 02:30 MST ON JUN 20	158 ON JUN 20 *	0.2018 ON APR 8	66 800	1975
1976	7.488 AT 02:00 MST ON APR 8	5.75 ON APR 8	0.184 ON SEP 5	25 400	1976
1977	2.558 AT 17 15 MST ON APR 8	1.878 ON APR 8	0 ON JUN 28	3 740	1977
1978	13.4 AT 00:45 MST ON MAR 30	8.13 ON MAR 30	0.1188 ON MAR 4	30 900	1978
1979	7.82 AT 15:00 MDT ON MAY 8	5.80 ON MAY 6	0.099 ON SEP 29	30 800	1979
1980	12.0 B AT 00:45 MST ON APR 15	11.4 B ON APR 15	0.147 ON AUG 2	21 500	1980
1981	12.3 AT 02:15 MDT ON MAY 16	8.83 ON MAY 16	0.079 ON SEP 20	21 500	1981
1982	11.1 AT 23:45 MDT ON APR 22	8.47 ON APR 23	0.091 ON SEP 10	24 300	1982
1983	1.42 AT 19:00 MDT ON APR 25	1.36 ON APR 25	0.011 ON SEP 5	5 850	1983
1984	5.01 AT 21:30 MST ON JUN 21	3.72 ON JUN 22	0 ON AUG 25	5 870	1984
1985	11.5 AT 21:00 MST ON MAY 30	5.40 ON MAY 31	0.0288 ON MAR 1	18 400	1985
1986	---	4.45 ON MAY 5	0.150 ON AUG 20	21 300	1986
				28 100	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SOUTH HEART RIVER NEAR HIGH PRAIRIE - STATION NO. 07BF004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1921	---	---	---	---	22.7	22.5	15.0	10.3	11.5	5.74	---	---	---	1921
1922	---	---	---	---	41.8	11.2	3.22	0.784	0.837	0.718	---	---	---	1922
1923	---	---	0.027	6.79	12.0	6.59	15.0	4.17	1.34	0.537	---	---	5.82	1923
1924	---	---	---	1.35	7.90	3.34	4.86	9.93	13.0	9.12	---	---	---	1924
1925	---	---	---	31.9	17.9	13.5	4.38	4.18	4.84	3.93	---	---	---	1925
1926	---	---	0.492	19.9	20.7	31.6	6.97	3.41	12.9	8.79	---	---	13.0	1926
1927	---	---	---	15.9	36.4	40.9	52.8	12.6	4.18	4.05	---	---	---	1927
1928	---	---	0.358	11.8	21.9	10.0	6.05	1.84	1.69	1.91	---	---	6.94	1928
1929	---	---	---	11.1	20.6	13.1	17.2	18.8	10.2	11.9	---	---	---	1929
1930	---	---	---	22.3	30.4	68.7	21.3	3.92	2.20	1.27	---	---	---	1930
MEAN	---	---	0.282	15.1	23.2	22.1	14.7	7.00	5.25	4.30	---	---	8.58	MEAN

LOCATION - LAT 55 32 05 N DRAINAGE AREA, 4 240 km^2
LONG 116 28 58 W NATURAL FLOW

SOUTH HEART RIVER NEAR HIGH PRAIRIE - STATION NO. 07BF004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1921	---	53.5 ON JUN 1	---	---	1921
1922	---	59.7 ON MAY 13	---	---	1922
1923	---	36.5 ON JUL 10	0 B ON MAR 7 *	123 000	1923
1924	---	35.4 ON SEP 2	0 B ON APR 1	---	1924
1925	---	55.5 ON APR 20	---	---	1925
1926	---	59.2 ON JUN 13	0.4258 ON MAR 8	275 000	1926
1927	---	59.2 ON JUN 26	---	---	1927
1928	---	52.4 ON APR 28	0 B ON MAR 1	147 000	1928
1929	---	56.1 ON JUL 25	---	---	1929
1930	---	85.0E ON JUN 14 *	---	---	1930
				182 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

SOUTH SASKATCHEWAN RIVER AT HIGHWAY NO. 41 - STATION NO. 05AK001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	...	...	...	...	388	880	386	151	128	103	104	92.8	...	1966
1967	80.5	94.2	143	287	628	1 240	459	127	82.4	89.8	93.9	82.2	280	1967
1968	90.1	85.0	147	94.7	158	515	218	128	176	204	181	75.7	170	1968
1969	93.6	87.4	141	338	428	570	702	150	78.8	85.8	86.7	81.3	336	1969
1970	82.8	74.3	92.5	138	313	832	251	95.7	48.3	80.2	98.4	74.0	184	1970
1971	89.5	107	94.4	223	414	895	330	133	97.7	67.9	96.1	90.7	185	1971
1972	97.4	96.7	242	226	514	887	424	253	157	143	125	86.2	283	1972
1973	80.5	92.1	144	128	243	405	217	75.6	61.2	58.9	83.4	85.8	138	1973
1974	89.4	90.4	105	223	477	828	378	174	110	73.0	78.6	85.1	223	1974
1975	89.8	80.6	88.5	157	459	916	487	125	121	121	88.5	98.8	231	1975
1976	118	121	135	167	354	259	225	343	161	93.5	71.4	62.8	175	1976
1977	71.5	93.9	90.3	74.8	59.0	101	48.7	74.6	67.5	81.6	49.9	52.1	70.1	1977
1978	46.8	85.7	157	175	346	582	302	159	220	174	94.0	100	201	1978
1979	80.1	88.7	177	165	373	334	93.9	54.6	40.9	44.6	94.3	38.6	126	1979
1980	42.5	58.6	77.0	171	300	557	105	74.9	58.4	113	119	78.6	146	1980
1981	119	126	126	126	591	854	370	245	89.7	43.3	84.8	49.7	219	1981
1982	49.3	54.3	66.0	123	167	448	304	76.1	51.7	87.7	77.0	89.1	131	1982
1983	71.2	82.3	102	100	148	223	138	62.2	40.8	38.8	74.9	43.7	93.1	1983
1984	57.5	85.9	82.5	71.8	45.5R	160R	100	44.9	33.0	32.8	58.3	57.1	68.9R	1984
1985	51.7	54.0	104	125	135	182	37.6	40.5	91.8	106	123	97.0	85.6	1985
1986	85.6	80.3	243	138	221	522	152	88.8	84.5	195	106	117	167	1986
MEAN	72.8	82.0	128	162	321 R	542R	287	126	92.4	95.0	90.5	71.4	189	MEAN

LOCATION - LAT. 50 44 15 N
LONG 110 05 45 W

DRAINAGE AREA 66 000 km²
REGULATED

R - REVISED SINCE JAN 1980

SOUTH SASKATCHEWAN RIVER AT HIGHWAY NO. 41 - STATION NO. 05AK001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	1 180 AT 12 00 MST ON JUN 8	1 150 ON JUN 8	...	...	1966
1967	2 130 AT 15 00 MST ON JUN 3	2 010 ON JUN 3	32.0 B ON DEC 19	8 840 000	1967
1968	...	773 ON JUN 12	43.0 B ON FEB 3	5 380 000	1968
1969	...	1 680A ON JUL 2	49.0 B ON MAR 17	7 450 000	1969
1970	1 430 AT 12 58 MST ON JUN 18	1 340 ON JUN 18	32.3 B ON NOV 29	5 180 000	1970
1971	1 220 AT 04 10 MST ON JUN 10	1 200 ON JUN 10	24.4 B ON NOV 10	5 840 000	1971
1972	1 260 AT 11 40 MST ON JUN 5	1 280 ON JUN 5	30.9 B ON DEC 4	8 310 000	1972
1973	532 AT 03 25 MST ON MAY 31	532 ON MAY 31	19.6 B ON NOV 9	4 380 000	1973
1974	1 280 AT 05 00 MST ON JUN 21	1 230 ON JUN 21	36.2 B ON DEC 26	7 030 000	1974
1975	3 000 AT 19 00 MST ON JUN 23 *	2 890 ON JUN 23 *	30.6 B ON DEC 7	7 290 000	1975
1976	726 AT 18 00 MST ON AUG 9	680 ON AUG 12	30.9 B ON NOV 25	5 550 000	1976
1977	202 AT 13 00 MST ON JUN 15	195 ON JUN 15	16.1 ON MAY 3	2 210 000	1977
1978	830 AT 23 00 MST ON JUN 12	816 ON JUN 12	38.6 B ON NOV 18	5 330 000	1978
1979	701 AT 16 25 MST ON MAY 31	695 ON MAY 31	19.6 B ON DEC 3	3 980 000	1979
1980	1 080 AT 03 50 MST ON MAY 30	1 030 ON MAY 30	30.1 B ON JAN 14	4 810 000	1980
1981	1 850 AT 11 40 MST ON MAY 29	1 630 ON MAY 29	22.0 B ON DEC 1	8 920 000	1981
1982	...	537E ON JUN 22	32.0 B ON JAN 2	4 140 000	1982
1983	413 AT 01 18 MST ON JUN 4	399 ON JUN 4	32.1 ON SEP 27	2 940 000	1983
1984	270 AT 19 36 MST ON JUN 22	263 ON JUN 23	8.50B ON NOV 3 *	2 180 000R	1984
1985	382 AT 17 27 MST ON MAY 30	370 ON MAY 30	18.9 ON SEP 8	3 010 000	1985
1986	943 AT 13 45 MST ON JUN 3	916 ON JUN 5	25.0 B ON NOV 15	5 260 000	1986
				5 340 000R	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1 1986

SOUTH SASKATCHEWAN RIVER AT MEDICINE HAT - STATION NO. 05AJ001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1902	---	---	---	---	---	---	---	---	---	---	---	---	---	1902
1903	---	---	---	---	---	---	---	---	---	---	---	---	---	1903
1911	---	---	---	---	---	832	731	---	---	---	120	70.8	---	1911
1912	47.1	60.4	---	---	---	541	609	376	246	172	144	67.3	---	1912
1913	46.8	57.0	56.4	254	351	442	479	367	215	166	132	66.3	254	1913
1914	72.1	64.6	114	163	416	562	400	187	127	215	157	83.6	211	1914
1915	85.3	56.1	175	151	546	914	935	523	250	201	128	67.3	337	1915
1916	46.5	149	171	206	335	1 310	1 070	439	360	213	158	94.6	381	1916
1917	64.0	60.6	57.5	180	600	1 210	571	216	147	140	90.2	31.1	281	1917
1918	86.8	67.1	143	145	292	597	258	186	125	104	89.2	56.4	176	1918
1919	57.1	46.1	47.3	135	354	410	186	227	101	59.9	55.2	55.1	145	1919
1920	47.6	58.5	126	241	532	571	658	247	85.3	111	79.5	60.0	236	1920
1921	56.8	59.8	74.7	158	421	650	289	147	59.6	71.0	70.1	59.6	176	1921
1922	53.8	35.7	49.7	131	373	622	268	140	90.9	68.2	59.6	40.7	162	1922
1923	46.6	36.1	57.5	106	292	1 510	573	263	151	119	79.9	51.0	273	1923
1924	41.7	62.8	86.6	86.4	307	547	323	273	112	76.8	79.4	60.9	171	1924
1925	66.7	66.2	174	327	473	622	300	183	132	194	110	87.0	226	1925
1926	54.0	55.2	91.7	136	156	207	208	82.7	373	304	144	98.7	159	1926
1927	77.3	72.0	124	198	529	1 250	665	400	452	255	161	102	357	1927
1928	197	110	248	175	521	789	773	233	152	171	111	53.9	295	1928
1929	94.5	52.8	119	90.6	389	942	178	74.6	43.8	25.4	46.4	56.2	171	1929
1930	42.3	113	113	212	353	533	327	106	52.0	74.3	59.2	66.6	171	1930
1931	52.1	48.9	55.5	75.2	146	298	155	82.8	86.8	---	---	---	---	1931
1932	---	---	---	151	420	887	288	124	128	85.1	80.2	60.4	---	1932
1933	52.7	46.8	67.3	164	410	666	315	66.0	73.0	72.3	152	---	---	1933
1935	---	---	81.6	166	260	486	284	145	47.9	49.4	55.7	44.3	---	1935
1936	45.6	46.1	111	207	296	369	73.8	47.0	23.4	18.1	36.1	26.7	106	1936
1937	34.2	33.6	69.2	123	154	530	176	101	38.8	53.3	86.3	61.6	121	1937
1938	56.7	44.9	84.2	207	452	876	362	127	95.0	80.0	67.4	52.1	194	1938
1939	41.5	41.6	86.3	136	216	454	268	79.7	51.6	52.5	74.0	52.8	130	1939
1940	42.7	45.2	87.5	176	345	272	131	87.1	126	120	77.2	59.6	132	1940
1941	44.5	45.7	110	127	116	215	98.5	66.6	83.6	110	63.6	66.1	96.6	1941
1942	53.0	47.9	85.6	136	505	891	370	284	193	159	81.7	73.5	261	1942
1943	67.5	77.6	123	386	313	505	427	127	49.0	39.4	56.2	61.7	187	1943
1944	60.5	52.9	80.3	97.0	73.2	229	116	101	55.7	46.7	56.6	58.3	84.0	1944
1945	56.1	50.6	87.9	84.4	239	726	358	77.1	76.2	87.0	76.4	83.6	167	1945
1946	81.3	72.1	116	137	295	626	262	82.5	124	100	98.3	110	176	1946
1947	88.4	121	270	293	603	631	285	111	150	241	152	88.9	254	1947
1948	79.6	72.7	116	453	1 020	1 430	367	300	85.1	58.5	74.1	59.4	366	1948
1949	79.0	58.0	59.5	176	262	335	96.0	65.7	30.9	40.7	62.4	85.6	112	1949
1950	58.9	65.3	87.8	210	321	676	420	149	70.3	86.6	117	94.7	199	1950
1951	83.9	90.5	123	334	757	943	691	333	628	401	253	146	418	1951
1952	119	118	151	559	442	520	408	270	136	100	91.0	76.0	269	1952
1953	72.8	95.3	96.2	226	529	1 640	606	223	153	104	94.5	83.2	327	1953
1954	81.8	104	86.1	225	553	890	507	257	303	247	172	105	278	1954
1955	75.8	75.6	86.6	262	459	816	682	115	78.6	129	135	108	220	1955
1956	116	96.3	163	256	421	593	381	185	131	114	78.2	80.3	216	1956
1957	71.2	72.4	154	154	556	417	122	50.6	73.3	84.9	120	87.7	166	1957
1958	78.4	97.2	111	341	447	471	352	124	70.6	90.6	120	109	201	1958
1959	87.1	110	130	177	365	541	329	114	111	132	148	136	207	1959
1960	104	84.7	172	239	323	389	233	103	30.8	35.3	85.1	78.8	154	1960
1961	72.7	80.9	103	87.2	331	545	101	49.6	84.3	118	122	96.0	152	1961
1962	106	134	190	275	231	312	143	59.1	87.5	58.9	77.6	50.9	141	1962
1963	61.4	83.1	128	75.0	137	381	505	142	109	85.2	72.5	94.0	158	1963
1964	71.4	82.9	82.3	127	465	640	318	70.8	41.6	89.4	91.9	82.8	157	1964
1965	78.7	88.9	102	257	283	772	528	225	212	244	156	102	264	1965
1966	93.6	89.9	180	239	389	669	380	142	122	97.0	99.9	93.0	216	1966
1967	82.0	99.0	139	243	585	1 240	422	116	75.1	64.2	91.3	62.8	269	1967
1968	85.3	87.2	125	92.3	176	617	212	124	181	197	145	69.5	167	1968
1969	92.3	83.7	142	340	441	608	680	145	76.9	79.2	77.0	55.4	236	1969
1970	66.1	75.9	85.3	125	317	603	241	89.0	87.5	76.2	88.5	79.1	158	1970
1971	71.5	108	95.2	222	423	665	201	117	66.2	76.4	94.9	56.1	162	1971
1972	56.6	63.0	245	220	530	924	417	245	154	139	124	79.7	257	1972
1973	83.2	95.1	148	127	251	392	189	71.0	55.3	64.4	74.6	65.6	136	1973
1974	66.1	97.9	107	235	477	822	358	151	100	77.1	78.6	65.2	220	1974
1975	72.6	64.0	86.2	181	463	942	440	115	110	115	92.4	110	231	1975
1976	121	117	128	156	357	250	201	356	147	82.0	87.6	71.9	175	1976
1977	77.0	89.7	85.2	73.8	61.0	86.6	43.7	75.6	80.6	56.7	58.1	50.2	67.6	1977
1978	63.9	75.1	170	158	359	585	319	151	219	183	93.9	85.3	205	1978
1979	80.7	89.3	195	185	392	320	81.1	47.8	35.7	41.6	53.5	46.7	125	1979
1980	41.6	80.0	78.8	153	299	539	93.9	77.6	57.2	105	107	80.0	141	1980
1981	120	130	110	106	636	662	361	236	83.0	40.5	86.5	48.7	220	1981
1982	50.2	54.3	86.4	115	150	455	277	83.6	45.7	74.8	69.3	70.6	124	1982
1983	70.9	85.0	87.1	101	139	206	128	84.6	35.0	32.4	72.1	42.0	86.5	1983
1984	69.2	86.1	81.9	62.4	40.7	156	91.1	45.6	30.3	28.1	81.9	55.3	65.4	1984
1985	52.8	64.7	105	116	141	184	35.6	37.1	85.5	112	114	88.9	83.3	1985
1986	84.1	115	209	138	233	487	149	84.9	89.5	188	103	115	164	1986
MEAN	70.7	76.1	115	185	368	633	350	159	121	113	97.6	74.2	198	MEAN

LOCATION - LAT. 50 02 35 N DRAINAGE AREA. 56 400 km²
LONG 110 40 40 W REGULATED

SOUTH SASKATCHEWAN RIVER AT MEDICINE HAT - STATION NO 05AJ001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1902	5 880 IN AUG *	---	---	---	1902
1904	5 240 IN AUG	---	---	---	1904
1911	---	1 140 ON JUN 10	---	---	1911
1912	---	1 130 ON JUN 19	26 9 ON JAN 4	---	1912
1913	---	974 ON JUN 4	27 6 E ON JAN 19	7 990 000	1913
1914	---	722 ON JUN 7	31 1 E ON FEB 4	6 650 000	1914
1915	2 550 AT 21 00 MST ON JUN 26	2 400 ON JUN 26	41 0 E ON DEC 31	10 600 000	1915
1916	---	2 200 ON JUN 23	39 5 E ON JAN 10	12 100 000	1916
1917	---	1 630 ON JUN 5	19 8 E ON DEC 15	8 880 000	1917
1918	---	1 040 ON JUN 16	30 3 E ON FEB 25	5 620 000	1918
1919	---	991E ON JUN 1	27 6 E ON FEB 11	4 570 000	1919
1920	---	824 ON JUL 10	37 4 E ON FEB 2	7 470 000	1920
1921	---	812 ON MAY 28	35 7 ON SEP 26	5 600 000	1921
1922	---	940 ON JUN 8	25 5 E ON DEC 18	5 100 000	1922
1923	4 110 AT 22 00 MST ON JUN 3	3 710 ON JUN 3	31 7 E ON FEB 26	8 620 000	1923
1924	---	821 ON JUN 17	27 6 E ON JAN 6	5 400 000	1924
1925	---	863 ON MAY 25	50 1 E ON JAN 16	7 210 000	1925
1926	---	682 ON SEP 14	33 4 ON JUN 12	5 030 000	1926
1927	2 140 AT 17 00 MST ON JUN 13	2 090 ON JUN 13	50 4 E ON DEC 15	11 300 000	1927
1928	1 840 AT 13 00 MST ON JUL 3	1 830 ON JUL 3	37 4 E ON DEC 5	9 340 000	1928
1929	3 450 AT 22 00 MST ON JUN 5	3 060 ON JUN 5	10 2 E ON NOV 21	5 390 000	1929
1930	---	735 ON JUN 12	24 5 ON SEP 2	5 380 000	1930
1931	---	526 ON JUN 22	---	---	1931
1932	2 940 ON JUN 5	2 710 ON JUN 6	---	---	1932
1933	---	940 ON JUN 20	---	---	1933
1935	---	882 ON JUN 20	---	---	1935
1936	884 ON JUN 5	884 ON JUN 5	12 5 E ON NOV 3	3 420 000	1936
1937	1 270 ON JUN 16	1 200 ON JUN 16	16 8 E ON FEB 2	3 820 000	1937
1938	---	1 030 ON MAY 29	37 4 E ON DEC 31	6 130 000	1938
1939	---	880 ON JUN 19	16 4 ON OCT 27	4 100 000	1939
1940	---	572 ON MAY 28	20 2 E ON JAN 26	4 180 000	1940
1941	---	391 ON JUN 6	25 7 E ON JAN 20	3 050 000	1941
1942	2 650 AT 10 30 MST ON MAY 14	2 080 ON MAY 14	25 5 E ON FEB 23	8 260 000	1942
1943	---	731 ON JUN 22	20 5 ON OCT 6	5 880 000	1943
1944	---	317 ON JUN 17	25 2 ON OCT 23	2 680 000	1944
1945	1 050 AT 08 00 MST ON JUN 9	1 030 ON JUN 8	34 0 E ON NOV 5	5 270 000	1945
1946	---	583 ON JUN 1	60 0 ON AUG 17	5 550 000	1946
1947	1 050 AT 15 40 MST ON MAY 13	1 040 ON MAY 13	56 3 E ON NOV 23	8 010 000	1947
1948	2 620 AT 08 15 MST ON JUN 20	2 550 ON JUN 20	15 3 ON SEP 30	10 500 000	1948
1949	---	575 ON JUN 4	12 7 ON OCT 20	3 530 000	1949
1950	---	1 050 ON JUN 25	30 0 ON OCT 16	8 260 000	1950
1951	1 780 AT 00 20 MST ON JUN 27	1 680 ON SEP 2	71 5 E ON JAN 31	13 200 000	1951
1952	---	1 070 ON JUN 16	36 8 E ON NOV 27	7 660 000	1952
1953	4 300 AT 08 30 MST ON JUN 11	4 080 ON JUN 11 *	40 2 E ON JAN 18	10 300 000	1953
1954	1 090 AT 08 20 MST ON MAY 23	1 080 ON MAY 23	45 8 E ON MAR 13	8 780 000	1954
1955	---	981 ON MAY 22	37 7 ON SEP 17	6 960 000	1955
1956	---	897 ON JUN 5	33 1 E ON NOV 20	6 900 000	1956
1957	739 AT 21 00 MST ON MAY 23	734 ON MAY 24	34 3 ON AUG 13	5 180 000	1957
1958	851 AT 16 10 MST ON JUN 13	848 ON JUN 13	35 1 E ON JAN 3	6 350 000	1958
1959	917 AT 10 00 MST ON JUN 30	880 ON JUN 30	50 1 E ON JAN 6	6 520 000	1959
1960	---	580 ON MAY 16	19 8 ON SEP 20	4 880 000	1960
1961	---	851 ON MAY 30	33 7 E ON NOV 30	4 780 000	1961
1962	---	379 ON JUN 19	22 5 E ON DEC 26	4 440 000	1962
1963	1 970 AT 22 00 MST ON JUL 2	1 850 ON JUL 3	13 4 E ON NOV 22	4 850 000	1963
1964	1 950 AT 18 00 MST ON JUN 11	1 830 ON JUN 11	27 1 ON SEP 21	5 230 000	1964
1965	1 940 AT 17 00 MST ON JUN 20	1 820 ON JUN 21	43 6 E ON DEC 31	8 320 000	1965
1966	1 160 AT 17 00 MST ON JUN 7	1 130 ON JUN 7	35 1 E ON JAN 2	6 800 000	1966
1967	2 360 AT 04 00 MST ON JUN 3	2 170 ON JUN 3	37 8 ON DEC 25	8 480 000	1967
1968	---	827 ON JUN 15	35 1 ON DEC 8	5 280 000	1968
1969	2 010 AT 23 30 MST ON JUL 1	1 880 ON JUL 2	41 6 ON SEP 25	7 440 000	1969
1970	1 440 AT 04 40 MST ON JUN 17	1 280 ON JUN 17	33 7 E ON NOV 27	4 670 000	1970
1971	1 270 AT 09 30 MST ON JUN 9	1 240 ON JUN 8	24 4 ON NOV 8	5 730 000	1971
1972	1 370 AT 13 00 MST ON JUN 6	1 350 ON JUN 4	35 1 E ON JAN 11	8 630 000	1972
1973	544 AT 03 30 MST ON MAY 30	531 ON MAY 30	25 6 E ON NOV 7	4 280 000	1973
1974	1 320 AT 09 30 MST ON JUN 20	1 210 ON JUN 20	24 0 E ON DEC 1	6 940 000	1974
1975	3 170 AT 01 00 MST ON JUN 23	2 880 ON JUN 23	21 5 E ON NOV 26	7 280 000	1975
1976	782 AT 20 50 MST ON AUG 8	731 ON AUG 11	36 0 E ON DEC 1	5 530 000	1976
1977	174 AT 14 30 MST ON JUN 16	169 ON JUN 16	13 1 ON APR 30	2 130 000	1977
1978	867 AT 05 40 MST ON JUN 12	855 ON JUN 12	36 2 E ON NOV 14	6 460 000	1978
1979	746 AT 18 30 MST ON MAY 30	734 ON MAY 30	19 6 E ON DEC 1	3 960 000	1979
1980	1 110 AT 15 35 MST ON MAY 29	1 080 ON MAY 29	30 1 E ON JAN 12	6 650 000	1980
1981	1 720 AT 02 30 MST ON MAY 25	1 590 ON MAY 26	22 0 E ON NOV 29	6 530 000	1981
1982	857 AT 06 45 MST ON JUN 20	835 ON JUN 20	35 0 E ON JAN 2	3 920 000	1982
1983	388 AT 02 23 MST ON JUN 2	380 ON JUN 3	27 0 ON SEP 27	2 780 000	1983
1984	260 AT 21 00 MST ON JUL 3	244 ON JUL 5	8 508 ON NOV 1 *	2 100 000	1984
1985	607 AT 10 35 MST ON SEP 18	370 ON SEP 18	11 6 ON SEP 6	2 860 000	1985
1986	872 AT 23 07 MST ON JUN 7	849 ON JUN 4	23 0 E ON NOV 13	5 170 000	1986
				6 250 000	MEAN

E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SPRAY CREEK AT SPRAY LAKES - STATION NO. 05BC003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	...	...	...	...	...	...	...	2.67	1.65	...	...	...	...	1914
1915	...	...	...	...	...	...	12.1	6.13	2.16	...	...	...	...	1915
1916	...	...	...	...	...	...	...	6.97	6.04	2.27	...	...	...	1916
1917	...	...	...	...	...	...	...	2.87	...	...	...	...	...	1917
1918	...	...	...	...	1.89	5.13	2.70	2.98	1.56	...	...	...	...	1918
1919	...	...	...	...	2.36	3.44	2.65	2.02	1.58	...	...	...	...	1919
1921	...	...	...	...	2.49	5.03	3.02	2.07	1.34	1.16	...	...	...	1921
1922	...	...	...	0.640	1.82	4.09	2.77	3.02	1.39	1.03	...	...	...	1922
1924	...	...	...	...	...	4.00	4.00	3.20	1.07	1.24	1.08	0.963	...	1924
1925	0.716	0.761	0.690	0.874	2.26	5.06	3.19	2.57	2.24	1.74	1.24	1.05	1.90	1925
1926	0.906	0.857	0.813	1.06	1.35	2.05	2.28	1.31	2.17	1.94	1.42	1.18	1.53	1926
1927	0.927	0.816	0.782	0.772	1.49	7.20	5.50	3.54	2.60	1.73	1.48	1.17	2.26	1927
1928	1.11	0.987	0.862	0.912	3.77	6.07	6.21	2.73	1.78	1.38	1.16	1.06	2.50	1928
1929	0.883	0.691	0.761	0.827	1.82	6.00	2.67	1.61	1.64	1.17	1.01	0.846	1.68	1929
1930	0.742	0.734	0.760	1.06	2.22	5.72	4.34	3.11	1.71	1.31	1.08	0.903	1.89	1930
1931	0.803	0.721	0.886	...	...	...	2.08	1.44	1.16	1.10	0.972	0.901	...	1931
1932	0.842	...	...	...	...	4.56	3.02	2.30	2.13	1.46	1.03	0.880	...	1932
1933	0.787	0.688	0.673	0.710	1.76	4.67	4.02	2.28	1.09	1.28	0.950	0.884	1.71	1933
1934	0.776	0.681	0.681	1.02	2.94	3.24	2.18	1.61	1.21	1.16	0.902	0.803	1.40	1934
1935	0.737	0.635	0.604	0.673	1.24	3.60	4.06	2.61	1.62	1.26	0.891	0.726	1.56	1935
1936	0.632	0.570	0.623	1.01	1.82	2.56	1.78	1.23	0.939	0.805	0.786	0.707	1.21	1936
1937	0.622	0.600	0.596	0.600	1.20	2.51	3.22	2.08	1.62	1.20	1.27	1.13	1.50	1937
1938	1.08	1.02	1.12	1.09	2.46	5.36	3.64	1.75	1.34	1.03	0.806	0.707	1.60	1938
1939	0.637	0.613	0.666	0.681	1.50	3.93	3.23	1.80	1.66	1.36	...	...	...	1939
MEAN	0.811	0.730	0.725	0.850	1.96	4.53	3.82	2.39	1.61	1.36	1.07	0.932	1.75	MEAN

LOCATION - LAT 50 52 00 N DRAINAGE AREA, 117 km²
LONG 115 22 00 W NATURAL FLOW

SPRAY CREEK AT SPRAY LAKES - STATION NO. 05BC003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	...	...	...	...	1914
1915	...	14.8 ON JUN 28	...	...	1915
1916	...	...	...	...	1916
1917	...	...	...	...	1917
1918	...	10.2 ON JUN 16	...	...	1918
1919	...	6.23 ON MAY 27	...	...	1919
1921	...	7.36 ON JUN 8	...	...	1921
1922	...	5.83 ON JUN 5	...	...	1922
1924	...	7.93 ON JUL 2	...	...	1924
1925	...	7.73 ON JUN 22	0.631 ON MAR 28	59 900	1925
1926	...	4.95 ON SEP 3	0.775 ON MAR 22	48 300	1926
1927	...	10.5 ON JUN 11	0.722 ON APR 13	74 500	1927
1928	...	12.0 ON JUN 28	0.810 ON MAR 16	79 200	1928
1929	...	11.4 ON JUN 5	0.6608 ON JAN 20	52 500	1929
1930	...	7.95 ON JUN 9	0.6518 ON JAN 20	59 700	1930
1931	...	...	...	...	1931
1932	...	25.5 ON JUN 3 *	...	...	1932
1933	...	9.68 ON JUN 17	0.580 ON APR 10	53 900	1933
1934	...	6.32 ON MAY 30	0.6238 ON FEB 10	44 200	1934
1935	...	6.67 ON JUN 23	0.5568 ON MAR 11	50 000	1935
1936	...	7.56 ON JUN 3	0.5008 ON FEB 6 *	38 200	1936
1937	...	6.56 ON JUN 17	0.5558 ON JAN 31	47 300	1937
1938	...	6.56 ON JUN 22	0.6008 ON DEC 21	50 600	1938
1939	...	5.32 ON JUN 23	0.5958 ON FEB 5	...	1939
				55 400	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

SPRAY POWER DIVERSION AT CANMORE - STATION NO. 05BE007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	...	...	...	...	...	...	...	4.54	5.41	5.05	12.9	20.7	...	1975
1976	18.3	16.9	15.3	11.3	16.6	22.5	15.1	5.00	5.78	11.8	15.3	7.27	13.7	1976
1977	18.8	16.9	9.31	8.10	9.04	1.43	0.888	3.00	7.26	7.13	8.53	10.1	8.56	1977
1978	13.7	14.7	16.9	16.2	7.73	6.50	5.73	5.42	12.3	13.1	11.8	18.1	11.8	1978
1979	23.5	20.0	25.4	10.3	5.61	0.815	2.99	2.43	0.363	3.37	4.91	6.01	9.65	1979
1980	10.8	7.87	7.26	6.62	5.47	21.6	13.7	9.66	8.34	8.16	10.3	15.6	10.5	1980
1981	16.3	10.5	16.6	17.3	23.4	28.7	20.9	21.5	20.4	0.567	0.868	7.20	16.2	1981
1982	16.4	11.6	5.62	3.79	1.30	4.75	9.83	5.84	9.08	10.3	15.6	18.1	9.34	1982
1983	20.5	15.7	12.9	9.24	5.60	6.48	6.27	10.2	0.606	8.16	10.5	15.3	10.0	1983
1984	18.2	18.0	11.4	8.12	6.85	4.01	3.74	2.17	3.40	5.28	12.6	14.5	9.00	1984
1985	16.9	14.7	17.0	15.5	4.05	6.54	6.60	3.08	2.03	2.63	11.2	10.6	9.24	1985
1986	14.5	10.1	14.6	6.80	4.19	17.2	13.7	10.5	5.80	3.67	12.1	18.6	11.6	1986
MEAN	17.4	15.0	14.0	10.5	8.65	11.0	9.53	6.10	7.12	6.77	10.6	13.5	11.1	MEAN

LOCATION - LAT 51 05 20 N
LONG 115 22 25 W REGULATED

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

SPRAY POWER DIVERSION AT CANMORE - STATION NO 05BE007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	---	---	1975
1976	---	32.3 ON JUN 4	0.283 ON MAR 7	435 000	1976
1977	---	27.8 ON JAN 31	0.283 ON MAR 19	270 000	1977
1978	---	24.6 ON DEC 11	0.283 ON MAY 6	385 000	1978
1979	---	32.3 ON FEB 14	0.283 ON MAY 29	298 000	1979
1980	---	34.8 ON JUN 19	0.283 ON MAY 18	332 000	1980
1981	---	37.4 ON SEP 11 *	0.283 ON MAY 10	574 000	1981
1982	---	27.8 ON JAN 21	0.283 ON MAR 12	295 000	1982
1983	---	25.5 ON AUG 7	0.283 ON MAY 22	317 000	1983
1984	---	24.4 ON FEB 14	0.283 ON JUN 1	300 000	1984
1985	---	22.9 ON MAR 22	0.283 ON MAY 3	295 000	1985
1986	---	25.3 ON JUN 19	0 ON MAY 19 *	372 000	1986
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		350 000	MEAN

SPRAY RESERVOIR SPILLWAY NEAR CANYON DAM - STATION NO 05BC007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	---	---	---	13.1	7.32	---	0.184	---	---	1974
MEAN	---	---	---	---	---	---	---	13.1	7.32	---	0.184	---	---	MEAN

LOCATION - LAT 50 03 35 N
LONG 115 22 45 W

REGULATED

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

SPRAY RESERVOIR SPILLWAY NEAR CANYON DAM - STATION NO 05BC007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1974	---	---	0E ON JUL 30 *	---	1974
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

E - ESTIMATED

SPRAY RIVER AT BANFF - STATION NO 05BC001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	---	---	22.2	13.8	12.5	---	---	---	1910
1911	5.84	4.12	4.04	4.41	11.0	57.0	43.1	23.5	15.4	8.94	6.40	5.91	15.8	1911
1912	4.25	3.89	3.06	3.76	14.8	39.7	39.6	25.7	16.8	12.1	7.68	6.74	15.0	1912
1913	5.71	4.28	4.14	5.40	15.2	80.8	29.5	25.7	19.9	12.8	8.46	6.38	16.5	1913
1914	5.64	4.72	4.73	5.09	21.6	55.0	48.2	21.9	13.8	10.1	8.42	5.20	17.7	1914
1915	5.17	5.07	4.86	7.82	19.1	33.9	41.8	26.3	14.4	10.3	7.28	5.48	15.2	1915
1916	5.20	4.58	4.46	5.14	12.8	61.3	66.4	32.2	24.8	11.8	7.72	5.08	20.1	1916
1917	4.62	4.48	3.96	4.06	17.5	80.5	42.0	21.3	11.7	8.75	5.71	5.24	14.2	1917
1918	4.99	3.72	3.73	5.10	16.0	58.1	30.4	20.8	12.5	9.07	6.48	5.87	14.6	1918
1919	4.44	3.85	3.68	4.48	28.1	41.6	27.4	21.5	12.3	7.07	5.52	3.73	13.7	1919
1920	3.27	2.92	2.53	3.14	7.90	33.2	57.7	20.7	12.5	10.4	5.96	4.80	13.6	1920
1921	3.73	3.92	3.48	4.10	22.1	48.9	36.4	18.8	10.3	8.25	6.52	5.20	14.4	1921
1922	4.36	3.39	2.87	3.32	14.7	40.4	24.0	16.6	11.3	7.53	5.35	4.70	11.6	1922
1923	4.26	3.96	4.38	4.54	14.6	65.2	34.9	19.4	12.1	8.00	6.08	5.00	15.2	1923
1924	4.81	4.63	4.18	3.14	19.9	31.5	28.9	20.5	13.5	9.01	6.15	5.14	12.6	1924
1925	3.87	3.63	3.57	6.26	31.3	51.8	31.7	20.8	14.9	10.0	6.37	4.94	15.8	1925
1926	3.80	4.21	3.60	7.04	14.1	20.2	18.9	12.0	19.0	14.4	8.86	4.38	10.9	1926
1927	3.00	3.34	3.81	4.58	11.0	80.9	45.9	22.5	19.2	15.9	9.10	6.23	17.2	1927
1928	4.34	4.35	4.83	5.80	34.5	53.3	43.5	19.0	12.1	8.81	6.38	4.86	16.9	1928
1929	4.13	3.25	3.50	3.60	11.7	48.3	25.2	16.6	11.7	8.72	6.83	5.77	12.4	1929
1930	4.26	3.83	4.02	8.45	22.0	44.9	35.7	20.1	13.6	9.43	6.91	3.84	14.7	1930
1931	3.48	3.42	3.59	3.84	19.1	40.6	27.0	15.1	11.7	7.95	6.03	4.79	12.3	1931
1932	3.16	2.74	3.82	3.47	20.3	71.5	32.4	19.7	14.0	7.94	6.75	4.46	15.8	1932
1933	4.19	4.16	3.98	4.12	15.1	87.7	49.3	23.9	14.7	10.6	7.84	5.03	17.6	1933
1934	3.81	3.40	3.73	12.3	35.9	36.4	24.1	15.8	11.8	9.33	7.02	4.40	14.0	1934
1935	3.65	3.34	3.55	3.42	13.3	47.6	41.3	23.1	12.0	7.34	5.76	4.01	14.1	1935
1936	3.83	3.39	4.56	5.39	21.8	32.1	20.2	13.0	9.22	6.22	4.15	4.14	10.7	1936
1937	3.02	3.04	3.56	2.74	14.1	37.7	30.7	16.1	10.6	9.80	8.88	5.83	12.2	1937
1938	4.72	2.93	4.23	3.73	22.5	85.5	33.7	13.4	8.14	6.01	4.62	3.17	13.7	1938
1939	2.89	3.52	3.45	3.25	21.5	30.8	31.4	15.1	11.5	10.2	7.06	4.55	12.1	1939
1940	3.70	3.40	3.50	3.89	22.9	37.3	22.4	12.5	13.4	7.74	5.51	4.17	11.7	1940
1941	3.47	3.09	2.99	4.95	18.1	20.8	16.9	11.7	12.9	8.99	7.03	5.14	10.4	1941
1942	4.43	4.21	3.76	3.71	22.4	36.5	34.9	18.0	12.6	8.47	6.84	4.86	13.4	1942
1943	5.06	3.86	2.88	5.61	10.5	29.9	43.7	20.6	10.1	6.76	5.59	4.61	12.5	1943
1944	3.80	2.91	3.09	3.73	14.4	24.4	14.9	16.2	11.4	9.02	6.88	4.44	9.51	1944
1945	3.87	3.27	3.26	3.12	11.3	38.8	30.0	14.7	10.5	8.89	6.58	4.73	11.4	1945
1946	4.11	2.90	3.13	3.86	22.6	82.9	35.8	19.5	13.3	8.40	6.17	4.19	14.4	1946
1947	3.43	3.82	3.98	6.29	30.1	50.1	36.8	18.9	16.7	13.8	9.77	6.49	16.8	1947
1948	5.55	4.09	3.92	5.41	35.8	69.7	30.5	24.9	11.9	8.06	6.34	5.72	16.9	1948
1949	4.98	3.84	3.85	4.95	19.5	28.4	16.3	13.4	11.5	2.04	1.71	1.39	9.11	1949
1950	1.08	1.08	0.812	0.831	2.31	9.92	8.81	7.56	6.56	6.14	5.76	5.26	4.71	1950
1951	6.14	12.0	24.9	29.4	14.6	15.6	35.1	22.0	16.3	8.39	6.65	5.01	16.3	1951
1952	3.24	2.96	3.58	4.57	8.22	10.1	8.58	6.55	5.92	4.53	3.83	3.37	5.46	1952
1953	3.57	3.73	3.76	3.81	5.69	12.2	9.76	6.14	5.29	4.88	2.62	2.53	5.34	1953
1954	2.03	1.31	0.741	2.04	5.16	10.1	6.35	8.70	5.01	2.53	1.81	1.22	4.20	1954
1955	1.13	1.37	1.35	1.80	2.80	8.59	6.58	6.20	3.83	1.88	1.88	1.16	3.18	1955
1956	0.806	0.549	0.492	1.28	5.47	8.18	5.32	4.95	3.32	1.83	1.27	1.02	2.86	1956
1957	0.823	0.523	0.706	1.39	6.00	6.10	6.30	5.97	3.44	1.85	1.44	1.06	2.99	1957
1958	0.677	0.437	0.736	0.933	4.37	6.15	5.91	6.20	4.11	1.33	1.13	1.13	2.76	1958
1959	0.881	0.946	0.852	0.868	3.36	8.30	6.04	5.87	3.84	2.02	1.43	1.45	2.86	1959
1960	1.14	1.07	1.06	1.18	2.73	6.67	7.00	6.88	4.76	1.67	1.75	0.939	3.06	1960
1961	1.42	0.986	0.863	0.867	5.43	9.84	5.62	5.56	3.79	2.27	1.43	0.864	3.34	1961
1962	0.814	0.885	0.873	1.30	2.61	5.18	5.54	5.66	2.30	1.44	1.08	1.02	2.67	1962
1963	1.18	1.37	1.44	1.58	3.37	5.81	6.18	5.93	3.70	1.82	1.31	0.882	2.97	1963
1964	1.07	0.663	0.762	0.867	2.95	12.0	6.62	5.59	4.00	2.42	2.08	1.54	3.40	1964
1965	1.13	1.26	1.11	1.42	2.67	8.95	7.77	5.86	3.96	2.73	1.94	1.59	3.39	1965
1966	1.43	1.11	1.18	1.80	5.48	9.20	7.36	6.61	3.13	1.76	1.32	1.46	3.48	1966
1967	1.12	1.21	1.32	1.22	2.84	12.0	6.68	5.77	3.95	1.86	1.40	1.07	3.27	1967
1968	0.883	0.751	0.928	0.885	1.80	8.08	5.82	5.86	2.73	1.81	1.22	0.814	2.44	1968
1969	1.01	0.891	0.941	1.43	4.75	7.20	7.55	5.41	3.46	2.41	2.38	1.20	3.23	1969
1970	0.914	0.943	0.975	0.928	1.81	7.00	5.80	5.75	3.39	1.30	1.11	0.893	2.58	1970
1971	0.881	0.897	0.812	0.975	4.87	8.38	5.76	5.51	2.88	1.81	1.12	0.751	2.88	1971
1972	0.885	0.911	1.07	1.08	4.37	9.81	5.98	5.41	3.29	1.72	1.43	2.60	3.37	1972
1973	3.12	2.20	2.45	2.39	4.89	9.44	6.80	5.83	4.92	3.04	2.89	2.66	4.21	1973
1974	2.69	1.74	1.55	1.76	4.20	13.1	12.4	21.0	14.9	8.22	2.87	0.950	6.99	1974
1975	0.788	0.725	0.754	0.973	2.01	5.40	6.26	5.92	2.66	1.93	1.76	1.62	2.58	1975
1976	1.55	1.24	0.754	1.05	4.87	6.80	6.42	6.10	3.50	2.10	1.83	1.52	3.12	1976
1977	1.26	1.05	0.797	1.33	2.71	5.07	4.50	4.54	2.75	1.82	1.43	1.26	2.38	1977
1978	1.18	1.20	1.08	1.33	3.17	8.08	5.25	3.93	2.72	2.34	1.84	1.21	2.78	1978
1979	1.36	1.19	1.32	1.46	2.88	5.08	3.74	3.20	4.29	1.87	1.28	0.849	2.39	1979
1980	0.934	1.28	1.21	1.69	5.99	8.45	3.88	2.85	2.62	2.28	1.44	1.28	2.83	1980
1981	1.84	1.14	1.26	1.48	5.74	7.88	7.90	5.01	2.70	2.15	1.73	1.28	3.43	1981
1982	1.45	1.59	1.47	1.61	3.31	8.21	5.58	4.76	2.89	2.46	2.18	1.80	3.10	1982
1983	1.35	1.59	1.36	1.85	3.13	5.04	4.12	3.05	5.12	2.12	1.87	1.47	2.88	1983
1984	1.23	1.37	2.03	2.07	2.38	5.84	3.88	2.54	2.37	2.03	2.10	1.71	2.46	1984
1985	1.35	1.85	1.43	2.34	4.38	5.84	4.10	3.83	4.21	3.18	2.34	2.34	3.09	1985
1986	2.58	2.41	2.34	2.24	5.79	9.29	6.32	4.71	3.84	3.79	2.98	2.38	4.04	1986
MEAN	2.88	2.67	2.86	3.80	12.0	27.1	28.8	13.0	9.07	5.15	4.33	3.33	9.00	MEAN

LOCATION - LAT 51 09 35 N DRAINAGE AREA, 748 km²
LONG 115 33 15 W REGULATED SINCE 1949

SPRAY RIVER AT BANFF - STATION NO 05BC001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	...	...	...	...	1910
1911	...	74.8 ON JUN 16	3.28 ON APR 4	500 000	1911
1912	...	71.8 ON JUN 17	2.12 ON MAR 29	476 000	1912
1913	...	83.8 ON JUN 11	3.84 B ON MAR 21	521 000	1913
1914	...	86.1 ON JUN 19	3.57 B ON MAR 26	558 000	1914
1915	...	85.1 E ON JUN 25	4.19 ON MAR 27	480 000	1915
1916	...	127 ON JUN 20	3.88 B ON MAR 3	637 000	1916
1917	...	87.7 ON JUN 17	3.85 B ON MAR 19	448 000	1917
1918	...	112 ON JUN 16	3.00 B ON FEB 19	486 000	1918
1919	...	83.3 ON MAY 29	3.11 B ON DEC 30	432 000	1919
1920	...	86.1 ON JUL 3	1.90 B ON MAR 3	437 000	1920
1921	...	86.2 ON JUN 8	2.38 B ON JAN 29	453 000	1921
1922	...	81.2 ON JUN 5	2.55 B ON MAR 31	385 000	1922
1923	...	131 ON JUN 14	3.71 B ON JAN 31	480 000	1923
1924	...	94.9 ON JUL 4	2.88 ON APR 14	460 000	1924
1925	...	70.8 ON JUN 22	3.28 ON APR 2	498 000	1925
1926	...	63.0 ON SEP 1	2.83 B ON MAR 27	344 000	1926
1927	...	88.3 ON JUN 11	2.72 B ON APR 8	542 000	1927
1928	...	82.1 ON MAY 27	3.39 B ON FEB 21	533 000	1928
1929	...	89.7 ON JUN 4	2.58 B ON APR 5	390 000	1929
1930	...	80.6 ON JUN 11	3.80 B ON DEC 30	485 000	1930
1931	...	94.7 ON JUN 10	2.78 ON MAR 27	386 000	1931
1932	...	143 ON JUN 3	1.61 B ON MAR 2	498 000	1932
1933	...	156 ON JUN 17 *	3.14 ON APR 18	535 000	1933
1934	...	81.3 ON MAY 30	2.35 ON MAR 28	443 000	1934
1935	...	91.4 ON JUN 22	2.55 B ON DEC 30	484 000	1935
1936	...	87.7 ON JUN 1	1.42 B ON JAN 18	339 000	1936
1937	...	95.8 ON JUN 23	1.76 ON APR 12	385 000	1937
1938	...	77.6 ON MAY 27	1.88 B ON DEC 26	434 000	1938
1939	...	93.0 ON MAY 30	1.80 B ON FEB 10	381 000	1939
1940	...	68.7 ON MAY 25	1.73 ON APR 11	370 000	1940
1941	...	69.0 ON JUN 8	2.46 B ON JAN 24	336 000	1941
1942	...	80.0 ON JUL 3	2.89 B ON JAN 1	422 000	1942
1943	...	85.5 ON JUL 10	2.44 B ON MAR 15	385 000	1943
1944	...	32.0 ON JUN 13	2.41 B ON JAN 27	301 000	1944
1945	...	58.9 ON JUN 22	2.80 B ON MAR 5	381 000	1945
1946	...	73.4 ON MAY 29	3.36 B ON FEB 6	484 000	1946
1947	...	56.1 ON JUN 2	3.28 B ON JAN 1	529 000	1947
1948	127 AT 04 00 MST ON MAY 24	118 ON MAY 24	3.31 B ON MAR 10	533 000	1948
1949	42.2 AT 12 00 MST ON JUN 7	39.5 ON JUN 7	1.27 B ON DEC 6	287 000	1949
1950	24.0 AT 04 00 MST ON JUN 15	19.9 ON JUN 15	0.6844 ON APR 4	183 000	1950
1951	...	95.3 ON JUL 20	3.86 B ON DEC 31	513 000	1951
1952	17.0 AT 23 30 MST ON JUN 23	16.3 ON JUN 27	2.58 B ON FEB 3	173 000	1952
1953	35.4 AT 23 30 MST ON JUN 12	21.0 ON JUN 13	0.9064 ON NOV 29	188 000	1953
1954	24.1 AT 17 00 MST ON AUG 26	19.5 ON AUG 27	0.9380 ON FEB 28	132 000	1954
1955	19.9 AT 21 00 MST ON JUN 12	16.0 ON JUN 12	0.7380 ON JAN 16	100 000	1955
1956	16.5 AT 04 00 MST ON JUN 5	14.8 ON JUN 5	0.3680 ON MAR 11	90 300	1956
1957	9.26 AT 14 00 MST ON JUL 6	8.76 ON JUL 6	0.3960 ON MAR 4	84 500	1957
1958	17.8 AT 02 00 MST ON MAY 22	7.94 ON JUN 28	0.3820 ON FEB 24 *	87 800	1958
1959	10.7 AT 04 00 MST ON JUN 14	10.3 ON JUN 14	0.5960 ON JAN 17	93 400	1959
1960	11.0 ON AUG 2	10.1 ON AUG 2	0.3508 ON DEC 13	98 800	1960
1961	24.4 AT 22 00 MST ON MAY 27	21.4 ON MAY 28	0.9218 ON MAR 19	105 000	1961
1962	7.78 AT 03 00 MST ON JUN 18	7.46 ON JUN 18	0.5348 ON NOV 29	81 000	1962
1963	9.66 AT 10 00 MST ON JUL 25	7.96 ON JUN 18	0.7088 ON DEC 11	93 600	1963
1964	24.4 AT 14 15 MST ON JUN 8	20.0 ON JUN 8	0.4478 ON FEB 29	108 000	1964
1965	...	18.4 ON JUN 18	1.08 B ON MAR 31	107 000	1965
1966	...	17.0 ON JUN 1	1.02 B ON FEB 22	110 000	1966
1967	...	15.6 ON JUN 3	0.9068 ON DEC 31	102 000	1967
1968	8.53 AT 22 28 MST ON JUN 5	7.56 ON JUN 25	0.4288 ON JAN 30	77 100	1968
1969	...	13.2 ON JUL 9	0.8788 ON JAN 31	102 000	1969
1970	16.4 AT 05 56 MST ON JUN 16	14.9 ON JUN 16	0.8216 ON JAN 19	81 400	1970
1971	14.5 AT 08 00 MST ON JUN 6	14.2 ON JUN 6	0.5348 ON DEC 1	90 800	1971
1972	181 B AT 14 00 MST ON DEC 19 *	43.9 B ON DEC 19	0.836 ON APR 23	197 000	1972
1973	14.2 AT 04 00 MST ON JUN 24	13.6 ON JUN 24	1.82 E ON JAN 1	133 000	1973
1974	63.7 AT 22 10 MST ON JUL 29	30.0 ON JUL 29	0.6808 ON DEC 28	230 000	1974
1975	9.12 AT 02 00 MST ON JUL 14	7.82 ON JUL 14	0.4818 ON FEB 26	81 300	1975
1976	9.83 AT 02 00 MST ON JUL 1	9.19 ON JUL 1	0.5418 ON APR 2	96 700	1976
1977	9.03 AT 22 30 MST ON JUN 8	8.50 ON JUN 6	0.6508 ON MAR 16	75 400	1977
1978	12.4 AT 21 30 MST ON JUN 5	11.2 ON JUN 6	1.02 ON MAR 20	87 800	1978
1979	8.84 AT 01 00 MST ON MAY 27	8.08 ON MAY 27	0.5758 ON NOV 28	76 300	1979
1980	13.3 AT 21 55 MST ON JUN 10	11.4 ON MAY 26	0.6798 ON JAN 1	89 800	1980
1981	15.9 AT 22 10 MST ON MAY 26	15.7 ON MAY 26	0.9508 ON FEB 9	100 000	1981
1982	11.6 AT 01 00 MST ON JUN 16	11.0 ON JUN 16	1.15 B ON JAN 7	97 800	1982
1983	7.72 AT 23 55 MST ON MAY 31	7.03 ON MAY 30	1.17 B ON JAN 3	84 500	1983
1984	8.84 AT 20 35 MST ON JUN 29	8.01 ON JUN 29	0.9008 ON JAN 21	77 700	1984
1985	8.25 AT 09 35 MST ON MAY 25	8.72 ON MAY 25	1.08 B ON JAN 31	91 400	1985
1986	30.8 AT 21 35 MST ON MAY 28	19.4 ON MAY 28	1.76 B ON DEC 18	127 000	1986
				284 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREMES RECORDED FOR THE PERIOD OF RECORD

SPRAY RIVER AT CANYON NEAR SPRAY LAKES - STATION NO 05BC005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1932	---	---	---	---	---	---	---	---	---	---	---	---	---	1932
1933	2.75	2.43	2.21	2.20	10.6	---	---	---	---	---	---	---	---	1933
1948	---	---	---	---	---	63.6	21.6	17.7	8.65	6.00	---	---	---	1948
1949	---	---	---	---	16.2	21.0	14.6	11.4	9.22	---	---	---	---	1949
MEAN	2.75	2.43	2.21	2.20	13.4	32.7	18.1	14.6	8.06	6.00	---	3.06	---	MEAN

LOCATION - LAT 50 53 00 N DRAINAGE AREA 487 km²
LONG 115 22 00 W NATURAL FLOW

SPRAY RIVER AT CANYON NEAR SPRAY LAKES - STATION NO 05BC005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1932	---	---	---	---	1932
1933	---	32.06 ON MAY 31	1.56 ON APR 18 *	---	1933
1948	---	85.2 ON MAY 24 *	---	---	1948
1949	---	34.3 ON JUN 7	---	---	1949
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

E - ESTIMATED

SPRAY RIVER NEAR SPRAY LAKES - STATION NO 05BC002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	---	32.5	13.2	7.18	---	---	---	---	1915
1916	---	---	---	---	---	---	---	16.8	13.7	6.67	---	---	---	1916
1917	---	---	---	---	---	---	---	12.7	---	---	---	---	---	1917
1918	---	---	---	---	10.6	37.5	16.7	11.7	7.60	---	---	---	---	1918
1919	---	---	---	---	18.8	29.2	17.7	12.7	7.83	---	---	---	---	1919
1920	3.27	2.92	2.53	3.14	7.90	33.2	57.7	20.7	12.5	---	---	---	---	1920
1921	---	---	---	---	12.7	29.6	22.7	11.6	5.94	4.76	---	---	---	1921
1922	---	---	---	1.24	10.3	31.2	16.1	11.7	7.16	4.23	---	---	---	1922
1924	---	---	---	---	---	24.0	20.0	12.7	6.91	4.38	2.69	2.23	---	1924
1925	1.83	1.52	1.26	2.57	21.2	33.7	19.6	12.7	9.24	5.14	3.27	2.35	9.61	1925
1926	1.81	1.55	1.39	4.23	9.52	14.1	13.0	7.77	10.5	7.73	4.55	2.64	6.58	1926
1927	2.02	1.59	1.25	1.61	5.26	41.4	30.6	13.6	11.6	7.58	5.01	2.63	10.8	1927
1928	1.87	1.69	1.72	2.07	22.6	35.6	27.0	11.6	6.30	4.08	2.60	2.10	10.0	1928
1929	1.95	1.11	1.62	1.30	8.16	32.1	15.5	8.15	5.63	3.71	2.11	1.73	7.02	1929
1930	1.49	1.22	1.25	2.68	13.9	35.2	26.2	11.2	6.54	4.07	2.06	1.68	9.00	1930
1931	1.43	1.43	1.53	---	---	---	16.5	8.04	6.67	3.71	2.66	2.34	---	1931
1932	1.60	---	---	---	---	37.2	19.8	12.0	7.99	3.99	2.56	1.79	---	1932
1933	1.54	1.30	1.09	1.18	8.65	44.2	35.8	15.3	7.19	4.76	3.57	2.23	10.6	1933
1934	1.76	1.61	1.26	5.96	27.2	27.4	17.0	8.66	5.76	4.05	2.98	1.80	8.91	1934
1935	1.49	1.37	1.18	1.05	8.32	33.0	29.8	14.9	6.43	3.56	2.56	1.66	8.65	1935
1936	1.21	1.22	1.86	3.07	18.9	24.1	13.3	7.08	4.25	3.06	2.17	1.67	6.68	1936
1937	1.32	1.24	1.32	1.27	8.19	33.6	19.9	10.3	6.02	5.16	4.35	2.60	7.05	1937
1938	2.36	1.69	2.05	2.02	12.3	36.4	19.5	8.27	6.34	4.66	2.82	2.01	8.37	1938
1939	1.61	1.52	1.65	1.72	16.2	20.5	19.6	9.46	6.66	4.65	---	---	---	1939
MEAN	1.74	1.55	1.53	2.34	13.1	31.1	23.3	11.9	7.06	4.76	3.07	2.11	8.57	MEAN

LOCATION - LAT 50 53 00 N DRAINAGE AREA 350 km²
LONG 115 22 00 W NATURAL FLOW

SPRAY RIVER NEAR SPRAY LAKES - STATION NO 05BE002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	---	---	---	1915
1916	---	43 6E ON JUL 8	---	---	1916
1917	---	---	---	---	1917
1918	---	60 1 ON JUN 14	---	---	1918
1919	---	55 5 ON MAY 27	---	---	1919
1920	---	85 1 ON JUL 3	---	---	1920
1921	---	42 2 ON JUN 8	---	---	1921
1922	---	44 5 ON JUN 5	---	---	1922
1924	---	36 8E ON JUL 4	---	---	1924
1925	---	44 5E ON JUN 24	1 05 B ON DEC 21	303 000	1925
1926	---	27 3 ON SEP 1	0 816B ON MAR 25	207 000	1926
1927	---	67 7 ON JUN 10	1 02 B ON MAR 30	328 000	1927
1928	---	52 1 ON MAY 23	1 25 B ON FEB 29	316 000	1928
1929	---	54 1 ON JUN 2	0 782B ON APR 9	222 000	1929
1930	---	50 1 ON JUN 9	0 949B ON MAR 20	264 000	1930
1931	---	---	---	---	1931
1932	---	101 ON JUN 3 *	---	---	1932
1933	---	86 7 ON JUN 17	0 770 ON APR 8	334 000	1933
1934	---	67 7 ON MAY 30	1 22 E ON MAR 29	281 000	1934
1935	---	41 8E ON JUN 29	0 850E ON APR 6	273 000	1935
1936	---	52 8 ON JUN 1	0 708B ON FEB 12 *	211 000	1936
1937	---	35 7 ON JUL 1	1 13 E ON APR 1	222 000	1937
1938	---	46 1 ON JUN 22	1 61 E ON FEB 11	264 000	1938
1939	---	59 1 ON MAY 29	---	---	1939
				270 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SPRING CREEK (UPPER) NEAR VALLEYVIEW - STATION NO 07GF004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	0 082	0 001	0	0	0	0	0 004	---	1967
1968	0 001	0 001	0 005	---	---	---	---	0 010	---	---	---	0 006	---	1968
1969	---	---	0 003	0 544	0 153	0 015	0 002	0 002	0 012	0 015	---	0 005	0 105	1969
1970	0 004	0 001	0 003	0 359	0 217	0 021	0 003	0	0	0	---	---	0 085	1970
1971	---	---	0	0 186	0 081	0 517	0 450	0 005	0 001	0 006	---	---	0 174	1971
1972	---	---	0 010	0 820	0 282	0 394	0 097	0 006	0 004	0 018	---	---	0 201	1972
1973	---	---	0 001	0 484	0 266	0 311	0 849	0 015	0 011	0 048	---	---	0 164	1973
1974	---	---	0	1 23	0 683	0 036	0 010	0	0 002	0 003	---	---	0 275	1974
1975	---	---	---	0 181	0 183	0 056	0 048	0 007	0 012	0 019	---	---	0 063	1975
1976	---	---	---	0 600	0 115	0 825	0 223	1 25	0 154	0 046	---	---	0 473	1976
1977	---	---	---	---	0 782	0 231	0 412	0 088	0 037	0 078	---	---	---	1977
1978	---	---	---	0 416	0 331	0 418	0 033	0 008	0 059	0 045	---	---	0 185	1978
1979	---	---	---	---	0 912	0 666	0 072	0 004	0 034	0 002	---	---	---	1979
1980	---	---	---	0 130	0 050	0 217	0 063	0 015	0 028	0 016	---	---	0 073	1980
1981	---	---	---	0 383	0 108	0 036	0 807	0 001	0 001	0	---	---	0 076	1981
1982	---	---	---	---	0 210	0 006	0 063	0 297	0 015	0 014	---	---	---	1982
1983	---	---	---	0 021	0 033	0 260	1 19	0 065	0 015	0 014	---	---	0 230	1983
1984	---	---	---	0 104	0 884	0 157	0 024	0 001	0 059	0 046	---	---	0 180	1984
1985	---	---	---	0 550	0 104	0 021	0 001	0	0 070	0 109	---	---	0 121	1985
1986	---	---	---	0 882	0 442	0 025	0 088	0 004	0 006	0 041	---	---	0 178	1986
MEAN	0 003	0 001	0 003	0 627	0 321	0 231	0 147	0 088	0 028	0 0 7	0	0 005	0 172	MEAN

LOCATION - LAT 54 55 46 N
LONG 117 42 20 W
DRAINAGE AREA 33 4 km^2
NATURAL FLOW

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

SPRING CREEK (UPPER) NEAR VALLEYVIEW - STATION NO 07GF004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	---	---	1967
1968	---	---	0 ON JUL 6 *	---	1968
1969	1 80 AT 16 00 MST ON APR 14	1 59 ON APR 14	0 ON AUG 16	---	1969
			0 ON SEP 11	1 940	
1970	1 06 AT 20 00 MST ON APR 21	0 986 ON APR 21	0 ON AUG 8	1 530	1970
1971	3 57 ON JUL 12	3 26 ON JUL 12	0 ON SEP 11	3 230	1971
1972	5 84 AT 04 00 MST ON JUN 26	4 53 ON JUN 26	0 ON SEP 8	3 120	1972
1973	1 60 AT 03 00 MST ON APR 24	1 57 ON APR 24	0 001 ON SEP 8	3 040	1973
1974	4 96 AT 22 00 MST ON APR 24	4 50 ON APR 24	0 ON AUG 5	5 090	1974
1975	---	---	---	---	1975
1976	---	0 682 ON APR 28	0 B ON APR 1	1 170	1976
1977	---	7 82 E ON AUG 18 *	0 0068 ON APR 1	8 740	1977
1978	---	7 19 ON APR 9	---	---	1978
1979	6 41 AT 10 25 MST ON JUN 14	1 85 ON JUN 15	0 001 ON SEP 8	3 430	1979
		5 30 ON JUN 14	0 B ON APR 6	---	
1980	1 29 AT 15 16 MST ON JUN 6	1 06 ON JUN 5	0 B ON APR 2	1 360	1980
1981	1 13 AT 15 57 MST ON APR 22	1 07 ON APR 22	0 ON AUG 10	1 400	1981
1982	3 14 AT 07 13 MST ON AUG 4	2 76 ON AUG 4	0 ON JUN 28	---	1982
1983	12 0 AT 19 40 MST ON JUL 26 *	7 13 ON JUL 26	0 0018 ON APR 8	4 260	1983
1984	5 29 AT 21 07 MST ON MAY 16	4 81 ON MAY 17	0 ON JUL 23	3 330	1984
1985	2 378 AT 12 54 MST ON APR 13	1 86 B ON APR 13	0 ON JUL 11	2 240	1985
1986	2 14 AT 03 09 MST ON APR 19	1 81 ON APR 19	0 ON AUG 20	3 280	1986
				3 190	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SPRING CREEK NEAR VALLEYVIEW - STATION NO 07GF002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	0.032	0.130	0.140	0.124	---	---	---	1966
1967	---	---	---	---	1.97	0.459	0.016	0.002	0	0	---	---	---	1967
1968	---	---	0.029	0.249	0.878	0.848	0.038	0.063	0.017	0.036	---	---	0.303	1968
1969	---	---	0	1.82	0.414	0.029	0.056	0.002	0.030	0.034	---	---	0.308	1969
1970	---	---	0.036	1.12	0.615	0.057	0.003	0	0	0	---	---	0.255	1970
1971	---	---	0.001	0.434	0.141	1.78	1.25	0.005	0.006	0.015	---	---	0.516	1971
1972	---	---	0.108	1.81	0.753	0.751	0.184	0.013	0.007	0.026	---	---	0.498	1972
1973	---	---	0.018	1.40	0.646	0.853	0.081	0.016	0.042	0.094	---	---	0.443	1973
1974	---	---	0.007	4.47	1.91	0.064	0.004	0.001	0.002	0.007	---	---	0.914	1974
1975	---	---	---	---	0.379	0.148	0.103	0.006	0.019	0.034	---	---	---	1975
1976	---	---	---	2.05	0.348	2.45	0.277	2.87	0.286	0.137	---	---	1.17	1976
1977	---	---	0	3.06	2.26	0.507	1.18	0.143	0.081	0.365	---	---	1.08	1977
1978	---	---	---	---	1.22	1.32	0.050	0.022	0.234	0.123	---	---	---	1978
1979	---	---	---	---	2.89	2.85	0.314	0.007	0.020	0.009	---	---	---	1979
1980	---	---	---	0.568	0.145	0.618	0.121	0.029	0.127	0.046	---	---	0.234	1980
1981	---	---	---	1.10	0.365	0.086	0.014	0.001	0	0	---	---	0.219	1981
1982	---	---	---	0.114	0.771	0.040	0.289	0.834	0.040	0.023	---	---	0.301	1982
1983	---	---	---	0.110	0.150	---	---	0.159	0.022	0.029	---	---	---	1983
1984	---	---	---	0.342	2.91	0.538	0.064	0.011	0.146	---	---	---	---	1984
1985	---	---	---	2.34	0.370	0.080	0.006	0.011	0.156	0.350	---	---	0.466	1985
1986	---	---	---	1.94	1.43	0.091	0.118	0.014	0.013	0.101	---	---	0.528	1986
MEAN	---	---	0.025	1.42	1.02	0.702	0.207	0.197	0.067	0.078	---	---	0.517	MEAN

LOCATION - LAT 54 55 05 N
LONG 117 50 55 W
DRAINAGE AREA 112 km²
NATURAL FLOW

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

SPRING CREEK NEAR VALLEYVIEW - STATION NO 07GF002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1966	---	---	---	---	1966
1967	7.93 AT 12 00 MST ON APR 30	7.08 ON MAY 1	0 ON JUL 16 x	---	1967
1968	10.1 AT 16 00 MST ON JUN 12	4.98 ON JUN 14	0 ON AUG 14	5 600	1968
1969	7.14 AT 07 00 MST ON JUL 18	3.85 ON APR 16	0 B ON APR 1	5 700	1969
1970	---	3.11B ON APR 21	0 ON JUL 15	4 720	1970
1971	11.3 AT 15 00 MST ON JUL 12	9.20 ON JUL 12	0 B ON APR 6	9 550	1971
1972	---	9.03A ON JUN 26	0.001 ON AUG 27	5 220	1972
1973	6.87 AT 12 00 MST ON JUN 11	4.87 ON APR 24	0 ON AUG 14	8 190	1973
1974	17.8 AT 20 00 MST ON APR 23	15.0 ON APR 24	0 ON OCT 26	16 900	1974
1975	---	2.61B ON APR 28	0 ON AUG 1	---	1975
1976	---	20.8 ON AUG 18 *	0.002 ON JUL 25	21 600	1976
1977	---	20.4 E ON APR 10	0 B ON APR 1	20 000	1977
1978	---	5.54A ON APR 30	0.016 ON OCT 31	---	1978
1979	26.2 AT 14 30 MST ON JUN 14 *	17.6 ON JUN 14	0 E ON AUG 17	---	1979
1980	3.42 AT 17 00 MST ON JUN 5	3.18 ON JUN 6	0 B ON APR 1	4 310	1980
1981	4.84 AT 10 30 MST ON APR 21	2.70B ON APR 21	0 ON JUL 7	4 050	1981
1982	8.82 AT 19 30 MST ON AUG 3	6.96 ON AUG 4	0 ON JUN 28	5 550	1982
1983	---	---	---	---	1983
1984	23.7 AT 02 47 MST ON MAY 17	17.6 ON MAY 17	0 ON JUL 14	---	1984
1985	12.3 B AT 21 27 MST ON APR 13	9.58B ON APR 14	0 ON JUL 17	8 610	1985
1986	6.13 AT 01 31 MST ON APR 18	5.10B ON APR 18	0.001 ON AUG 21	5 780	1986
				9 580	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SPRING CREEK NEAR YERGER - STATION NO 05CJ010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1986	---	---	---	---	---	---	0.464	0.485	0.345	0.276	---	---	---	1986
MEAN	---	---	---	---	---	---	0.464	0.485	0.345	0.276	---	---	---	MEAN

LOCATION - LAT 50 57 17 N
LONG 111 57 30 W
DRAINAGE AREA 85.2 km²
REGULATED

SPRING CREEK NEAR WATERTON PARK - STATION NO 05AD014

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1926	---	---	---	---	---	0.035	0.028	0.028	0.028	0.028	0.028	0.028	---	1926
1927	0.027	0.024	0.022	0.026	0.042	0.047	0.046	0.040	0.040	---	---	---	---	1927
1928	---	---	---	---	---	---	---	---	---	0.040	0.044	---	---	1928
MEAN	0.027	0.024	0.022	0.026	0.042	0.037	0.037	0.034	0.034	0.034	0.036	0.028	---	MEAN

LOCATION - LAT 49 07 11 N
LONG 113 50 30 W
NATURAL FLOW

SPRING CREEK NEAR WATERTON PARK - STATION NO 05AD014

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1926	---	---	---	---	
1927	---	---	---	---	1926
1928	---	0 105 ON MAY 29 *	---	---	1927
		---	---	---	1928
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

SOUAW COULEE DIVERSION BELOW SOUAW COULEE DAM - STATION NO 05AC917

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1985	---	---	---	---	---	---	1 24	0 736	0 602	0 347	--	---	---	1985
1986	---	---	---	---	0 391	1 18	1 39	0 903	0 744	0 333	--	---	---	1986
MEAN	---	---	---	---	0 391	1 18	1 32	0 821	0 673	0 340	---	---	---	MEAN

LOCATION - LAT 50 31 35 N
LONG 113 55 32 W
REGULATED

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

SOUAW COULEE DIVERSION BELOW SOUAW COULEE DAM - STATION NO 05AC917

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1985	---	---	0 ON OCT 22 *	---	1985
1986	---	1 64 ON JUL 18 *	0 ON MAY 1	---	1986
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

ST MARY CANAL AT HUDSON BAY DIVIDE - STATION NO 05AE030

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1917	---	---	---	0	0	0	5 79	1 18	2 85	0	0	---	1 97	1917
1918	---	---	---	0	0	1 33	11 1	5 63	1 03	0	0	---	3 30	1918
1919	---	---	---	1 77	10 1	10 8	10 7	10 8	4 48	1 12	0	---	8 34	1919
1920	---	---	---	0	1 35	10 3	12 2	9 61	0	0	0	---	4 21	1920
1921	---	---	---	0	2 82	10 2	9 19	3 37	0	0	0	---	3 21	1921
1922	---	---	---	0	1 00	6 25	9 47	8 34	5 67	0 087	0	---	3 87	1922
1923	---	---	---	0	5 77	11 8	9 83	9 26	1 97	0	0	---	4 85	1923
1924	---	---	---	0	8 97	9 13	11 2	13 2	2 96	0	0	---	5 47	1924
1925	---	---	---	0	9 75	14 2	14 5	13 5	10 0	4 22	0	---	8 31	1925
1926	---	---	---	2 05	11 8	12 7	12 7	2 86	2 81	0	0	---	5 85	1926
1927	---	---	---	0	0 722	0 883	10 9	11 8	0 165	0	0	---	3 11	1927
1928	---	---	---	0	0	11 6	8 83	10 8	1 25	0	0	---	4 09	1928
1929	---	---	---	0 246	1 77	9 53	12 8	12 6	7 57	2 60	0 121	---	5 94	1929
1930	---	---	---	0	0	7 95	14 2	13 0	4 75	0	0	---	5 03	1930
1931	---	---	---	1 25	9 89	15 1	15 4	14 6	2 81	1 37	0 534	---	7 70	1931
1932	---	---	---	5 49	14 4	13 1	15 6	15 3	5 24	0 358	---	---	---	1932
1933	---	---	---	0 006	11 6	14 1	17 1	17 0	7 24	1 89	0	---	8 62	1933
1934	---	---	---	2 57	18 2	17 1	18 5	17 5	0 841	0 055	0	---	8 54	1934
1935	---	---	---	0	11 3	15 5	20 0	16 2	8 19	0	0	---	8 06	1935
1936	---	---	---	0	12 6	19 6	20 8	14 0	1 61	0 770	0	---	8 77	1936
1937	---	---	---	0	14 8	7 56	15 0	15 9	4 61	0 019	0	---	8 32	1937
1938	---	---	---	2 10	11 5	17 5	19 0	15 2	4 33	1 64	2 11	---	9 71	1938
1939	---	---	---	3 65	16 4	19 3	19 6	13 3	0 401	0	0	---	8 13	1939
1940	---	---	---	0	11 2	16 6	16 7	9 85	0 001	0	5 22	---	7 76	1940
1941	---	---	---	2 25	14 6	15 6	18 2	7 30	2 15	0	0	---	7 53	1941
1942	---	---	---	5 87	16 6	5 22	16 6	16 3	13 1	0 352	0	---	8 86	1942
1943	---	---	---	0	0	9 67	14 1	15 2	14 8	1 72	0	---	6 94	1943
1944	---	---	---	2 29	13 3	12 5	11 6	9 23	1 47	0	0	---	6 43	1944
1945	---	---	---	1 03	16 0	15 3	16 1	15 7	14 3	2 02	0	---	10 2	1945
1946	---	---	---	10 5	15 7	17 1	16 3	15 4	14 6	0 080	0	---	11 2	1946
1947	---	---	---	0 102	5 83	13 3	15 4	16 0	13 0	0 411	0	---	8 10	1947
1948	---	---	---	0 024	3 24	8 86	13 5	15 1	13 6	0 151	0	---	6 84	1948
1949	---	---	---	0 463	14 3	15 6	15 4	14 9	9 21	0	0	---	8 81	1949
1950	---	---	---	0	2 76	9 91	14 1	14 1	14 7	14 1	0 652	---	8 60	1950
1951	---	---	---	0	0	4 56	13 3	15 1	4 76	0	0	---	4 88	1951
1952	---	---	---	0	0	0	12 5	15 6	15 6	3 97	0	---	8 07	1952
1953	---	---	---	4 05	14 8	6 13	4 85	13 4	13 6	0 928	0	---	8 77	1953
1954	---	---	---	0 100	3 44	10 5	15 4	16 3	2 16	0 001	0	---	6 04	1954
1955	---	---	---	0	2 47	8 04	14 9	15 7	8 76	0	0	---	8 60	1955
1956	---	---	---	2 91	14 5	16 6	16 4	16 0	15 3	1 44	0	---	11 2	1956
1957	---	---	---	3 36	16 6	16 6	15 8	15 5	9 36	0 044	0	---	8 70	1957
1958	---	---	---	1 11	16 1	17 6	17 1	16 1	6 60	0	0	---	8 80	1958
1959	---	---	---	9 40	17 5	17 7	16 3	17 5	10 0	4 59	0	---	12 6	1959
1960	---	---	---	0 937	14 2	17 5	17 6	17 7	11 4	0	0	---	10 0	1960
1961	---	---	---	11 8	12 0	16 8	18 0	17 8	12 2	1 69	0	---	11 5	1961
1962	---	---	---	12 1	18 2	16 5	16 4	17 2	0 839	0	0	---	10 7	1962
1963	---	---	---	15 6	17 2	19 6	16 9	16 0	12 0	0	0	---	12 8	1963
1964	---	---	---	8 55	15 8	9 82	9 74	15 2	15 6	0	0	---	9 88	1964
1965	---	---	---	0	0 864	18 4	12 6	15 4	10 7	0 001	0	---	7 61	1965
1966	---	---	---	0 030	15 8	15 8	16 2	15 1	14 5	0 005	0	---	10 6	1966
MEAN	---	---	---	2 24	9 38	12 4	14 7	14 1	7 31	1 03	0 176	---	7 86	MEAN

LOCATION - LAT 48 59 00 N
LONG 113 04 00 W
REGULATED

INTERNATIONAL GAUGING STATION

ST. MARY CANAL AT HUDSON BAY DIVIDE - STATION NO. 05AE030

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1917	---	7.19 ON JUL 23	0 ON APR 1 *	41 600	1917
1918	---	11.5 ON JUL 12	0 ON APR 1	68 600	1918
1919	---	11.6 ON MAY 15	0E ON APR 1	134 000	1919
1920	---	13.3 ON AUG 9	0 ON APR 1	88 800	1920
1921	---	13.0 ON JUN 20	0 ON APR 1	67 700	1921
1922	---	13.6 ON AUG 17	0 ON APR 1	81 600	1922
1923	---	14.4 ON JUL 16	0 ON APR 1	102 000	1923
1924	---	15.3 ON AUG 23	0 ON APR 1	115 000	1924
1925	---	15.2 ON JUL 25	0 ON APR 1	175 000	1925
1926	---	14.1 ON JUN 26	0E ON APR 1	119 000	1926
1927	---	13.3 ON AUG 14	0 ON APR 1	65 700	1927
1928	---	16.3 ON JUN 18	0 ON APR 1	86 300	1928
1929	---	13.5 ON JUL 7	0E ON APR 1	125 000	1929
1930	---	14.6 ON JUN 30	0 ON APR 1	106 000	1930
1931	---	16.1 ON JUN 30	0E ON APR 1	162 000	1931
1932	---	17.0 ON JUL 29	0E ON APR 1	---	1932
1933	---	18.2 ON AUG 5	0E ON APR 1	182 000	1933
1934	---	19.9 ON MAY 30	0E ON APR 1	201 000	1934
1935	---	20.3 ON JUL 21	0E ON APR 1	191 000	1935
1936	---	21.3 ON JUN 20	0 ON APR 1	185 000	1936
1937	---	21.5 ON JUN 13	0 ON APR 1	175 000	1937
1938	---	19.9 A ON JUN 19	0E ON APR 1	205 000	1938
1939	---	20.0 ON JUL 28	0 ON APR 1	193 000	1939
1940	---	19.9 ON JUL 27	0 ON APR 1	164 000	1940
1941	---	19.5 ON JUN 4	0 ON APR 1	159 000	1941
1942	---	20.1 ON JUL 25	0E ON APR 1	210 000	1942
1943	---	15.8 ON JUL 23	0 ON APR 1	146 000	1943
1944	---	16.7 ON JUL 22	0 ON APR 1	136 000	1944
1945	---	17.2 ON JUN 4	0 ON APR 1	215 000	1945
1946	---	17.4 ON JUN 24	0 ON APR 1	236 000	1946
1947	---	16.8 ON JUL 11	0 ON OCT 16	171 000	1947
1948	---	17.1 ON JUN 16	0 ON APR 1	144 000	1948
1949	---	16.7 ON MAY 17	0 ON APR 1	186 000	1949
1950	---	15.3 ON MAY 16	0 ON APR 1	188 000	1950
1951	---	17.1 ON AUG 30	0 ON APR 1	103 000	1951
1952	---	16.1 ON AUG 30	0 ON APR 1	128 000	1952
1953	---	18.8 ON JUN 3	0E ON APR 1	143 000	1953
1954	---	17.1 ON AUG 31	0E ON APR 1	127 000	1954
1955	---	18.3 ON JUL 18	0 ON APR 1	135 000	1955
1956	---	17.7 ON MAY 21	0A ON OCT 26	236 000	1956
1957	---	17.8 ON MAY 22	0 ON OCT 7	205 000	1957
1958	---	18.2 ON MAY 13	0 ON APR 22	207 000	1958
1959	---	16.5 ON MAY 19	0E ON OCT 18	267 000	1959
1960	---	16.9 ON JUN 19	0 ON APR 11	212 000	1960
1961	---	18.6 ON MAY 27	0 ON NOV 1	243 000	1961
1962	---	19.9 ON JUN 14	0 ON SEP 17	226 000	1962
1963	---	20.4 ON JUN 10	0 ON APR 1	270 000	1963
1964	---	23.1 ON JUN 8 *	0 ON OCT 4	208 000	1964
1965	---	19.9 ON JUN 17	0E ON APR 1	160 000	1965
1966	---	21.9 ON JUN 4	0 ON APR 24	223 000	1966
				162 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ST. MARY CANAL AT ST. MARY CROSSING - STATION NO. 05AE029

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1918	---	---	---	---	---	---	---	7.17	---	0	0	---	---	1918
1919	---	---	---	2.07	11.0	11.0	11.0	11.0	4.39	1.16	0	---	---	1919
1920	---	---	---	0	1.57	10.2	12.1	9.30	0	0	0	---	---	1920
1921	---	---	---	0	3.17	9.72	9.39	3.40	0	0	0	---	---	1921
1922	---	---	---	0	1.15	8.74	9.59	8.48	5.89	0.014	0	---	---	1922
1923	---	---	---	0	5.98	11.4	10.0	9.26	1.71	0	0	---	---	1923
1924	---	---	---	0	7.21	8.74	11.2	12.9	2.36	0	0	---	---	1924
1925	---	---	---	0.244	10.1	14.0	14.1	12.9	10.2	3.86	0	---	---	1925
1926	---	---	---	3.20	12.3	12.9	12.6	2.96	2.88	0	0	---	---	1926
1927	---	---	---	0	---	---	11.4	11.6	0.005	0	0	---	---	1927
1928	---	---	---	0	0	12.3	8.94	11.3	1.17	0	0	---	---	1928
1929	---	---	---	0.375	1.85	9.80	12.9	12.6	7.51	2.59	0.150	---	---	1929
1930	---	---	---	0	0	8.68	14.9	13.5	4.81	0	0	---	---	1930
1931	---	---	---	1.58	10.3	15.5	15.8	15.1	2.55	1.53	0.491	---	---	1931
1932	---	---	---	6.71	14.4	13.1	16.8	16.7	4.81	0.858	0	---	---	1932
1933	---	---	---	0.089	11.9	14.4	17.6	17.3	6.95	1.92	0	---	---	1933
1934	---	---	---	3.06	18.3	17.0	19.8	17.6	0.743	0	0	---	---	1934
1935	---	---	---	0	11.9	17.0	20.5	15.6	7.92	0	0	---	---	1935
1936	---	---	---	0	13.3	20.2	21.3	13.9	2.01	0.957	0	---	---	1936
1937	---	---	---	0.087	15.0	7.57	19.0	19.8	4.14	0.021	0	---	---	1937
1938	---	---	---	2.37	11.1	17.8	19.2	19.6	3.86	2.00	2.14	---	---	1938
1939	---	---	---	4.15	16.3	18.2	19.8	13.2	0.381	1.20	4.74	---	---	1939
1940	---	---	---	0	11.8	16.9	18.8	9.85	0	0.029	5.23	---	---	1940
1941	---	---	---	2.83	14.5	15.4	18.0	8.97	2.14	0	0	---	---	1941
1942	---	---	---	7.15	17.9	5.02	18.4	18.1	13.1	0.188	0	---	---	1942
1943	---	---	---	0	0	9.89	14.1	15.2	14.6	1.46	0	---	---	1943
1944	---	---	---	2.71	13.8	12.5	12.1	9.09	1.40	0	0	---	---	1944
1945	---	---	---	1.70	16.2	16.4	16.3	16.0	14.3	1.86	0	---	---	1945
1946	---	---	---	10.8	16.7	17.3	16.5	15.6	14.7	0	0	---	---	1946
1947	---	---	---	0	5.71	13.3	16.5	16.2	12.9	0.220	0	---	---	1947
1948	---	---	---	0	3.30	7.95	13.9	15.1	13.5	0.004	0	---	---	1948
1949	---	---	---	0.661	14.6	16.0	15.6	16.2	9.09	0	0	---	---	1949
1950	---	---	---	0	2.82	10.4	14.8	14.2	15.0	14.2	0.358	---	---	1950
1951	---	---	---	0	0	4.80	13.6	16.5	4.47	0	0	---	---	1951
1952	---	---	---	0	0	0	13.7	16.3	16.2	3.75	0	---	---	1952
1953	---	---	---	2.23	15.0	3.06	5.29	14.0	14.0	0.829	0	---	---	1953
1954	---	---	---	0	3.70	11.1	16.1	16.9	1.95	0	0	---	---	1954
1955	---	---	---	0	2.44	8.71	15.0	16.9	8.54	0	---	---	---	1955
1956	---	---	---	3.29	14.9	16.9	16.9	16.4	15.6	7.04	---	---	---	1956
1957	---	---	---	3.84	17.2	17.2	16.6	16.1	9.46	0.003	---	---	---	1957
1958	---	---	---	1.27	16.8	18.1	18.1	17.7	8.44	0	---	---	---	1958
1959	---	---	---	9.98	17.8	18.0	18.7	18.1	18.5	4.31	---	---	---	1959
1960	---	---	---	1.12	14.6	18.2	18.1	18.0	11.2	0	---	---	---	1960
1961	---	---	---	12.5	12.7	19.4	18.8	18.5	12.4	1.61	---	---	---	1961
1962	---	---	---	13.4	18.9	19.0	19.0	17.5	0.731	0	---	---	---	1962
1963	---	---	---	16.4	17.6	20.0	19.3	19.5	11.8	0	---	---	---	1963
1964	---	---	---	8.94	16.3	10.1	10.3	19.6	15.5	0	---	---	---	1964
1965	---	---	---	0	1.10	18.8	13.1	18.9	10.3	0	---	---	---	1965
1966	---	---	0	0	16.8	19.0	18.6	19.6	14.4	0	---	---	10.8	1966
1967	---	---	---	0	0	5.00	19.1	19.3	18.7	0.019	---	---	---	1967
1968	---	---	---	11.7	17.8	19.6	19.5	19.6	12.7	0	---	---	---	1968
1969	---	---	---	0	10.5	19.7	19.7	19.6	8.71	0	---	---	---	1969
1970	---	---	---	8.01	7.18	15.7	18.5	18.7	9.20	0	---	---	---	1970
1971	---	---	---	0	8.26	7.10	20.0	19.8	19.8	3.89	---	---	---	1971
1972	---	---	---	0.286	15.5	13.8	19.6	19.8	19.7	6.48	---	---	---	1972
1973	---	---	0.102	1.84	13.8	18.9	19.7	15.9	0.107	0	---	---	8.80	1973
1974	---	---	0.246	13.0	18.5	16.4	19.5	18.3	13.5	0	---	---	12.0	1974
1975	---	---	---	0	0	3.28	8.88	18.9	15.2	0	---	---	---	1975
1976	---	---	---	1.88	16.4	18.8	19.6	19.6	17.9	1.48	---	---	---	1976
1977	---	---	---	0.574	15.6	18.6	5.37	6.21	2.28	0	---	---	---	1977
1978	---	---	---	0	1.53	11.8	14.4	15.7	3.78	0	---	---	---	1978
1979	---	---	---	0	2.41	17.8	18.3	17.5	4.19	0	---	---	---	1979
1980	---	---	3.18	11.8	14.6	18.8	19.3	18.7	8.65	0	---	---	11.6	1980
1981	---	---	11.6	8.93	15.7	18.6	19.0	17.7	15.8	0	---	---	13.5	1981
1982	---	---	0	0	14.6	15.0	18.6	0	0	0	---	---	5.79	1982
1983	---	---	7.55	11.2	8.54	18.1	19.6	18.2	0.043	0	---	---	10.4	1983
1984	---	0	9.17	6.03	10.0	19.0	19.3	12.8	0	0	---	---	9.56	1984
1985	---	---	1.86	15.1	18.6	19.6	15.2	18.2	11.6	0	---	---	12.6	1985
1986	---	---	0	7.01	8.09	12.5	17.7	16.4	1.53	0	---	---	7.91	1986
MEAN	---	0	3.35	3.23	10.3	13.9	15.9	15.0	7.90	0.901	0.354	---	10.3	MEAN

LOCATION - LAT 48 56 50 N
LONG 113 22 28 W

REGULATED

INTERNATIONAL GAUGING STATION

ST MARY CANAL AT ST MARY CROSSING STATION NO 05AE029

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1918	...	...	...	...	
1919	...	11.5 ON MAY 15	0 ON APR 1 *	...	1918
					1919
1920	...	...	...	...	
1921	...	13.6 ON AUG 8	0 ON APR 1	...	1920
1922	...	12.1 ON JUN 18	0 ON APR 1	...	1921
1923	...	13.5 ON AUG 16	0 ON APR 1	...	1922
1924	...	15.6 ON JUL 16	0 ON APR 1	...	1923
		15.8 ON AUG 22	0 ON APR 1	...	1924
1925	...	...	...	...	
1926	...	14.9 ON AUG 20	0 ON APR 1	...	1925
1927	...	14.5A ON MAY 25	0 ON APR 1	...	1926
1928	...	13.5 ON JUL 17	0 ON APR 1	...	1927
1929	...	15.E ON JUN 17	0 ON APR 1	...	1928
		13.7 ON JUL 10	0 ON APR 1	...	1929
1930	..	...	...	...	
1931	...	15.1 ON JUN 29	0 ON APR 1	...	1930
1932	...	16.2 ON JUN 30	0 ON MAR 29	...	1931
1933	...	17.3 ON AUG 12	0 ON APR 1	...	1932
1934	...	18.0 ON JUL 17	0 ON APR 1	...	1933
		20.0 ON JUL 5	0 ON APR 1	...	1934
1935	...	...	...	...	
1936	...	20.8 ON JUL 21	0 ON APR 1	...	1935
1937	..	21.7 ON JUN 18 *	0 ON APR 1	...	1936
1938	...	20.4 ON AUG 2	0 ON APR 1	...	1937
1939	...	20.4 ON JUL 8	0 ON APR 1	...	1938
		19.9 ON JUN 2	0 ON APR 1	...	1939
1940	...	...	...	...	
1941	...	19.6 ON JUL 27	0 ON APR 1	...	1940
1942	...	19.2 ON JUN 3	0 ON APR 1	...	1941
1943	..	19.5 ON JUL 25	0 ON APR 1	...	1942
1944	...	15.8 ON JUL 22	0 ON APR 1	...	1943
		17.0 ON JUL 24	0 ON APR 1	...	1944
1945	...	...	...	...	
1946	...	17.1 ON JUN 24	0 ON APR 1	...	1945
1947	...	17.7 ON JUN 6	0 ON APR 1	...	1946
1948	...	16.8 ON JUL 10	0 ON APR 1	...	1947
1949	...	16.1 ON JUL 20	0 ON APR 1	...	1948
		15.6 ON MAY 30	0 ON APR 1	...	1949
1950	...	15.4 ON OCT 7	0 ON APR 1	...	1950
1951	...	16.8 ON AUG 8	0 ON APR 1	...	1951
1952	...	16.7 ON AUG 31	0 ON APR 1	...	1952
1953	...	15.2 ON MAY 25	0 ON APR 1	...	1953
1954	...	17.2 ON AUG 28	0 ON APR 1	...	1954
1955	...	18.1 ON JUL 17	0 ON APR 1	...	1955
1956	...	17.8 ON MAY 20	0 ON APR 1	...	1956
1957	...	18.2 ON MAY 21	0 ON APR 1	...	1957
1958	...	18.8 ON MAY 25	0 ON APR 1	...	1958
1959	...	19.1 ON JUL 22	0 ON APR 1	...	1959
1960	...	19.2 ON JUN 18	0 ON APR 1	...	1960
1961	...	20.0 ON MAY 27	0 ON APR 1	...	1961
1962	...	20.0 ON JUN 14	0 ON APR 1	...	1962
1963	...	20.7 ON JUN 14	0 ON APR 1	...	1963
1964	...	20.1 ON SEP 6	0 ON APR 1	...	1964
1965	...	19.4 ON JUN 20	0 ON APR 1	...	1965
1966	...	20.0 ON JUN 21	0 ON MAR 1	229 000	1966
1967	...	18.7 ON JUL 8	0 ON APR 1	...	1967
1968	...	20.1 ON JUN 23	0 ON MAR 27	...	1968
1969	...	20.1 ON JUN 7	0 ON MAR 29	...	1969
1970	...	20.0 ON JUN 4	0 ON APR 1	...	1970
1971	...	20.5 ON JUL 25	0 ON MAR 30	...	1971
1972	...	20.4 ON JUN 3	0 ON MAR 21	...	1972
1973	...	20.4 ON JUN 10	0 ON MAR 1	189 000	1973
1974	...	20.3 ON MAY 10	0B ON MAR 1	254 000	1974
1975	...	19.5 ON SEP 1	0 ON APR 1	...	1975
1976	...	20.3 ON JUL 7	0 ON MAR 18	...	1976
1977	...	18.7 ON MAY 17	0A ON MAR 23	...	1977
1978	...	18.7 ON JUN 30	0 ON APR 1	...	1978
1979	...	19.5 ON JUN 15	0E ON APR 1	...	1979
1980	...	19.9 ON MAY 1	0B ON MAR 1	245 000	1980
1981	...	19.6 ON JUN 12	0B ON MAR 1	285 000	1981
1982	...	19.5 ON JUN 28	0E ON MAR 1	123 000	1982
1983	...	20.0 ON JUL 16	0 ON MAR 1	220 000	1983
1984	...	19.8 ON MAY 31	0 ON AUG 28	202 000	1984
1985	...	20.0 ON JUN 14	0B ON MAR 1	285 000	1985
1986	...	18.5 ON JUN 20	0 ON MAR 1	187 000	1986
				218 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ST MARY RIVER AT INTERNATIONAL BOUNDARY - STATION NO 05AB027

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1902	...	...	...	...	...	...	...	...	17.5	13.5	9.69	5.65	...	1902
1903	4.67	3.96	3.40	16.1	44.9	148	82.9	39.8	31.4	26.0	15.1	12.4	35.1	1903
1904	6.34	5.80	5.66	20.5	57.3	83.1	53.9	26.4	11.9	6.26	3.87	4.99	23.8	1904
1905	2.55	2.12	5.32	8.81	34.5	69.8	46.6	24.0	10.5	21.9	8.43	5.80	20.2	1905
1906	2.83	2.89	3.54	13.6	42.7	84.8	51.8	26.8	17.8	21.4	31.2	10.2	34.2	1906
1907	4.25	5.86	7.36	13.9	54.7	121	88.2	37.8	34.4	17.9	8.91	4.45	33.1	1907
1908	2.97	5.86	9.34	23.9	70.4	212	70.5	23.6	13.1	13.6	10.5	5.86	36.4	1908
1909	4.25	4.81	5.86	9.91	53.9	146	85.0	41.3	18.1	12.7	15.6	5.86	33.7	1909
1910	4.25	4.53	10.3	33.6	85.6	63.5	33.3	16.4	15.7	25.3	21.0	8.32	25.6	1910
1911	5.96	5.36	5.54	14.4	57.6	98.3	67.5	29.8	36.7	17.6	9.80	5.52	28.1	1911
1912	4.81	3.96	3.88	15.3	57.5	66.5	44.8	25.1	14.9	12.0	12.2	7.05	22.4	1912
1913	4.46	3.64	5.40	21.2	54.2	128	57.3	32.9	16.3	12.7	10.5	5.38	29.4	1913
1914	3.62	2.86	1.20	18.0	63.2	65.1	40.5	20.4	16.5	23.8	19.9	7.26	24.0	1914
1915	4.75	3.32	4.45	16.3	46.6	83.8	48.8	27.4	23.9	20.9	14.3	6.88	23.5	1915
1916	5.26	10.7	14.6	18.8	48.3	131	98.1	34.8	26.8	11.1	9.19	6.22	34.6	1916
1917	4.92	3.69	3.73	12.8	62.7	116	62.5	14.1	10.8	10.7	7.03	4.75	26.2	1917
1918	20.6	5.19	6.15	18.7	53.1	79.7	22.5	14.6	13.0	11.2	7.33	4.80	21.3	1918
1919	4.25	3.83	3.48	7.94	45.0	39.5	18.4	11.2	7.23	6.11	4.88	5.06	12.9	1919
1920	5.11	5.49	7.34	12.1	47.1	80.6	50.9	19.1	17.4	17.5	8.16	6.23	23.2	1920
1921	4.21	4.83	10.4	18.3	72.1	82.2	35.8	18.5	12.9	25.0	9.98	6.81	26.2	1921
1922	4.88	3.94	2.86	7.87	58.6	101	29.8	16.5	10.6	8.64	5.86	4.23	21.3	1922
1923	4.70	3.67	3.04	11.9	58.7	71.5	30.6	18.3	27.2	15.9	7.74	3.83	21.5	1923
1924	3.08	5.75	3.89	11.1	44.3	85.1	43.1	15.4	10.8	9.33	8.01	7.17	19.0	1924
1925	5.04	7.08	7.88	28.3	74.8	84.7	36.6	19.2	13.8	16.7	6.88	4.85	25.5	1925
1926	1.73	2.86	3.79	12.4	22.1	19.7	15.9	6.80	16.3	24.9	12.1	7.99	12.4	1926
1927	4.48	4.30	4.22	13.5	78.4	147	85.5	29.5	42.8	32.7	23.7	8.97	38.1	1927
1928	7.93	4.85	11.8	15.7	101	84.3	84.3	20.5	13.6	27.4	12.6	6.28	29.4	1928
1929	3.34	3.02	5.47	8.28	44.4	80.6	23.3	10.8	6.85	6.42	4.03	2.40	15.3	1929
1930	2.56	5.08	7.19	36.9	58.3	80.4	23.3	11.2	9.36	7.81	4.86	2.84	19.3	1930
1931	1.72	3.44	3.26	4.80	37.4	31.2	16.4	13.3	11.6	7.92	5.65	5.35	11.8	1931
1932	2.93	6.12	12.0	11.6	44.9	81.3	26.7	12.3	10.2	7.86	7.43	6.16	17.5	1932
1933	5.19	2.59	2.90	10.5	43.1	92.3	40.1	16.2	12.8	14.5	26.6	12.7	23.3	1933
1934	15.7	11.6	11.5	37.7	71.6	85.6	20.4	12.3	9.38	7.07	22.0	8.00	24.4	1934
1935	7.89	11.1	8.45	11.9	35.4	48.1	25.5	15.0	8.50	5.58	2.59	2.13	15.2	1935
1936	2.45	1.16	3.68	12.5	39.0	37.8	16.4	9.35	5.25	3.66	2.32	3.92	11.4	1936
1937	3.11	2.93	3.22	5.42	28.0	81.3	25.1	11.5	7.42	7.35	10.7	4.43	16.0	1937
1938	3.50	3.58	4.10	11.2	52.6	69.4	30.4	11.7	11.8	6.97	6.86	4.71	18.1	1938
1939	3.94	3.15	7.47	11.3	35.4	26.0	19.3	10.9	6.19	3.26	2.31	3.33	11.1	1939
1940	3.10	2.26	3.88	7.32	31.2	30.5	16.2	8.11	9.01	9.20	4.05	3.80	10.8	1940
1941	3.04	2.24	2.38	6.45	19.2	19.7	17.1	8.70	11.1	12.8	7.78	13.2	10.4	1941
1942	5.54	3.72	3.28	11.2	28.3	71.3	34.6	16.1	12.1	18.4	7.53	5.78	17.9	1942
1943	3.52	3.84	3.33	26.1	60.9	95.0	55.4	19.1	10.8	7.47	4.42	2.81	23.7	1943
1944	1.57	2.19	2.16	4.11	21.6	25.9	16.3	11.9	6.72	8.17	5.21	3.26	9.28	1944
1945	2.62	2.81	2.77	3.89	32.0	69.4	27.4	10.5	8.84	9.67	10.9	4.83	15.5	1945
1946	3.85	3.16	4.24	13.7	41.5	47.1	27.1	12.6	11.4	11.6	10.2	5.50	16.0	1946
1947	4.97	5.69	8.37	27.8	63.4	64.3	26.2	13.8	12.0	26.9	13.2	6.69	22.0	1947
1948	3.87	2.76	3.42	16.7	76.2	144	29.5	15.8	9.19	7.76	3.05	2.30	26.2	1948
1949	1.86	2.33	3.57	9.68	40.8	41.4	16.9	10.2	10.5	8.87	9.11	10.5	14.0	1949
1950	5.22	4.00	5.43	14.7	54.4	115	84.3	22.8	10.1	17.1	23.7	11.5	29.1	1950
1951	6.13	7.39	7.37	19.2	94.1	88.6	73.1	23.8	40.5	45.0	12.7	6.47	35.7	1951
1952	4.17	4.28	5.15	23.4	60.1	57.1	28.1	16.2	7.91	4.78	3.04	2.22	18.1	1952
1953	4.85	5.81	5.91	12.8	58.8	145	82.6	20.1	11.5	8.34	5.48	3.89	28.8	1953
1954	3.37	4.85	4.44	14.9	85.6	80.5	87.1	20.3	32.7	27.8	13.4	7.40	30.4	1954
1955	3.33	3.09	2.43	5.10	32.3	92.0	44.8	16.1	16.1	23.2	12.9	8.38	21.6	1955
1956	5.80	3.59	4.81	10.0	84.7	76.8	32.2	15.8	9.84	10.4	6.56	4.53	20.4	1956
1957	3.58	3.23	3.98	5.84	70.4	82.4	17.0	10.5	5.81	6.89	7.52	4.18	16.6	1957
1958	2.16	3.08	4.05	8.13	48.3	58.1	21.3	11.9	10.3	10.8	6.38	7.17	18.3	1958
1959	7.04	5.01	6.12	13.8	46.2	85.0	35.2	16.1	21.6	26.0	14.6	6.67	24.0	1959
1960	5.21	3.80	4.81	13.8	24.6	85.7	27.2	14.7	8.88	5.02	5.15	3.84	14.3	1960
1961	3.88	3.86	4.98	8.56	38.3	69.1	24.8	12.2	7.90	16.8	7.34	3.94	16.6	1961
1962	3.40	4.46	3.52	14.8	31.2	40.7	23.1	13.7	10.8	10.2	10.8	8.43	14.6	1962
1963	4.50	8.14	4.52	7.48	29.7	54.9	29.0	11.8	8.15	6.27	3.94	3.48	14.6	1963
1964	2.10	3.04	2.53	4.40	33.6	153	65.1	11.1	12.2	22.0	9.64	4.30	25.2	1964
1965	3.55	4.84	4.56	14.5	55.0	90.1	39.1	17.7	19.8	20.3	10.5	5.61	23.9	1965
1966	4.81	3.21	4.46	17.1	40.5	62.6	33.8	14.1	10.1	6.53	6.26	5.25	17.6	1966
1967	4.15	3.90	4.22	6.30	76.4	108	42.2	16.0	8.61	5.14	9.36	5.53	24.3	1967
1968	4.70	6.26	6.89	8.86	32.1	52.6	27.0	16.1	26.2	16.5	9.77	5.38	17.8	1968
1969	4.46	4.14	6.05	21.0	39.3	82.5	32.2	10.7	8.14	10.8	6.41	3.71	17.5	1969
1970	3.00	3.01	3.59	6.18	44.9	102	25.8	13.0	8.33	6.48	4.32	6.50	18.9	1970
1971	4.09	7.23	4.65	11.8	70.3	91.1	40.4	17.6	11.7	9.24	6.19	3.82	23.2	1971
1972	2.82	3.38	14.5	17.0	71.2	88.4	43.2	22.1	13.0	12.5	5.23	3.46	24.8	1972
1973	4.24	4.37	3.42	6.46	28.5	41.9	20.0	11.3	8.86	6.21	10.1	5.90	12.3	1973
1974	8.40	6.86	6.27	11.9	36.7	95.8	53.5	21.4	15.1	4.83	3.36	3.46	22.3	1974
1975	2.45	2.67	2.78	3.86	38.6	188	75.8	20.6	22.0	18.0	12.0	14.2	31.9	1975
1976	6.68	5.08	4.84	15.7	53.6	37.9	34.7	22.9	13.8	6.61	3.10	2.89	17.5	1976
1977	2.56	2.57	2.48	6.70	23.8	23.7	15.5	13.8	16.3	6.38	4.80	5.05	10.4	1977
1978	3.66	2.85	3.32	11.7	54.8	86.2	48.3	23.0	33.7	16.6	8.58	6.42	23.2	1978
1979	2.98	2.53	6.82	11.2	63.6	90.3	24.5	11.1	9.85	3.78	2.62	2.86	18.1	1979
1980	2.38	2.04	1.81	8.84	84.7	41.2	20.2	12.5	18.8	10.2	9.26	7.35	15.9	1980
1981	10.7	6.01	3.90	10.6	61.3	43.6	30.8	13.9	7.86	4.97	3.01	2.65	15.8	1981
1982	1.77	3.46	4.87	7.37	39.5	71.7	57.1	18.5	8.30	8.21	5.08	3.17	15.2	1982
1983	2.83	2.59	3.78	4.79	27.6	36.3	27.7	13.7	8.06	3.90	3.10	3.43	11.9	1983
1984	6.01	3.77	3.00	8.14	22.7	40.1	24.3	13.1	10.1	8.88	5.61	2.87	12.4	1984
1985	2.46	2.02	2.33	10.3	38.6	41.6	21.2	11.8	15.3	18.4	17.5	8.11	16.0	1985
1986	3.87	7.05	14.1	18.2	39.1	58.0	19.6	10.6	11.6	13.5	8.55	4.75	17.5	1986
MEAN	4.48	4.35	5.30	13.3	49.4	75.7	38.3	17.3	14.5	13.2	9.29	5.65	21.0	MEAN

LOCATION - LAT 49 00 12 N
LONG 113 18 48 W

DRAINAGE AREA 1 210 km²
REGULATED

INTERNATIONAL GAUGING STATION

ST MARY RIVER AT INTERNATIONAL BOUNDARY - STATION NO 05AE027

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)		MAXIMUM DAILY DISCHARGE (m^3/s)		MINIMUM DAILY DISCHARGE (m^3/s)		TOTAL DISCHARGE (dam^3)	YEAR
1902	---		---		---		---	1902
1903	---		178	ON JUN 8	3.40 B	ON MAR 1	1 140 000	1903
1904	---		110	ON JUN 7	3.11	ON NOV 7	753 000	1904
1905	---		92.6	ON JUN 7	2.12 B	ON FEB 1	537 000	1905
1906	---		75.3	ON JUN 5	2.69 B	ON FEB 1	783 000	1906
1907	---		159	ON JUN 23	3.40 E	ON DEC 26	1 040 000	1907
1908	1 130 E	ON JUN 5 *	793 E	ON JUN 5 *	2.97 E	ON JAN 1	1 210 000	1908
1909	---		186	ON JUN 4	4.25 E	ON JAN 1	1 080 000	1909
1910	---		83.8	ON MAY 27	3.40 B	ON DEC 31	807 000	1910
1911	---		110	ON JUN 13	2.83 B	ON DEC 31	884 000	1911
1912	---		98.5	ON MAY 21	3.68 E	ON MAR 1	707 000	1912
1913	---		152	ON JUN 2	2.21 B	ON DEC 31	927 000	1913
1914	---		88.3	ON JUN 4	1.98 B	ON FEB 5	756 000	1914
1915	83.0	ON JUN 26	75.6	ON JUN 26	2.63 B	ON FEB 22	743 000	1915
1916	253	ON JUN 22	244	ON JUN 22	4.22 B	ON JAN 8	1 080 000	1916
1917	---		147	ON JUN 11	2.83 B	ON JAN 30	827 000	1917
1918	147	ON JUN 14	141	ON JUN 14	3.26 B	ON MAR 1	673 000	1918
1919	124	ON MAY 30	122	ON MAY 30	1.30 B	ON DEC 1	407 000	1919
1920	130 AT 11:00 MST	ON JUN 18	125	ON JUN 18	1.36 B	ON JAN 24	732 000	1920
1921	150 AT 15:00 MST	ON MAY 26	139	ON MAY 26	3.14 B	ON FEB 6	826 000	1921
1922	149 AT 09:30 MST	ON JUN 7	149	ON JUN 7	2.55 B	ON MAR 25	673 000	1922
1923	89.4 AT 11:00 MST	ON JUN 11	97.4	ON JUN 11	2.49 B	ON MAR 6	677 000	1923
1924	85.8 AT 11:30 MST	ON JUN 17	84.4	ON JUN 17	2.32 B	ON JAN 5	602 000	1924
1925	141 AT 22:00 MST	ON MAY 23	135	ON MAY 24	3.68 B	ON DEC 25	805 000	1925
1926	---		46.2	ON OCT 20	1.36 B	ON JAN 31	391 000	1926
1927	220 AT 18:00 MST	ON JUN 11	212	ON JUN 11	2.38 B	ON MAR 24	1 200 000	1927
1928	151 AT 17:00 MST	ON MAY 27	149	ON MAY 27	4.11 B	ON FEB 21	929 000	1928
1929	105 AT 16:30 MST	ON MAY 25	102	ON MAY 26	1.47 B	ON DEC 10	472 000	1929
1930	89.5 AT 20:00 MST	ON JUN 12	86.4	ON JUN 12	0.7878	ON DEC 18	807 000	1930
1931	69.1 AT 07:00 MST	ON MAY 18	66.3	ON MAY 18	1.84 B	ON JAN 12	376 000	1931
1932	---		86.1A	ON JUN 18	1.95 B	ON JAN 18	552 000	1932
1933	118 AT 19:00 MST	ON JUN 9	117	ON JUN 6	1.70 B	ON MAR 7	736 000	1933
1934	140 AT 22:00 MST	ON JUN 8	136	ON JUN 8	5.81 A	ON OCT 11	770 000	1934
1935	86.7 AT 17:30 MST	ON MAY 24	84.7	ON MAY 25	1.44 B	ON NOV 2	479 000	1935
1936	83.5 AT 10:30 MST	ON JUN 3	82.1	ON JUN 3	0.4538	ON NOV 29 *	383 000	1936
1937	162 AT 18:45 MST	ON JUN 13	156	ON JUN 14	2.49 B	ON MAR 23	503 000	1937
1938	135 AT 13:15 MST	ON MAY 28	133	ON MAY 29	2.75	ON NOV 6	571 000	1938
1939	51.0 AT 19:00 MST	ON MAY 24	44.2	ON MAY 25	0.787A	ON NOV 5	380 000	1939
1940	47.6 AT 09:00 MST	ON MAY 21	45.0	ON MAY 21	1.73 A	ON NOV 3	340 000	1940
1941	30.6 AT 18:00 MST	ON JUN 29	27.6	ON JUN 29	2.04 B	ON FEB 13	327 000	1941
1942	131 AT 15:00 MST	ON JUN 8	129	ON JUN 8	2.38 B	ON FEB 27	583 000	1942
1943	148 AT 11:00 MST	ON JUN 20	144	ON JUN 20	1.30 B	ON DEC 31	747 000	1943
1944	37.4 AT 12:00 MST	ON JUN 27	36.0	ON MAY 20	1.10 B	ON JAN 4	293 000	1944
1945	106 AT 06:45 MST	ON JUN 6	105	ON JUN 6	2.04 B	ON FEB 4	488 000	1945
1946	64.3 AT 17:30 MST	ON MAY 29	62.9	ON MAY 29	2.15 B	ON FEB 2	505 000	1946
1947	88.1 AT 24:00 MST	ON MAY 11	86.4	ON MAY 11	3.62 B	ON JAN 31	695 000	1947
1948	281 AT 15:30 MST	ON JUN 17	238	ON JUN 17	1.33 B	ON FEB 5	827 000	1948
1949	72.8 AT 18:00 MST	ON MAY 14	62.3	ON MAY 31	1.64 B	ON JAN 8	442 000	1949
1950	149 AT 07:00 MST	ON JUN 25	145	ON JUN 25	2.41 B	ON FEB 10	917 000	1950
1951	261 AT 14:30 MST	ON JUN 24	198	ON JUN 24	4.79 B	ON DEC 31	1 130 000	1951
1952	88.6 AT 00:30 MST	ON OCT 5	81.6	ON JUN 12	1.47 B	ON DEC 19	571 000	1952
1953	328 AT 15:00 MST	ON JUN 3	266	ON JUN 4	1.02 B	ON DEC 7	912 000	1953
1954	186 AT 17:00 MST	ON MAY 22	162	ON MAY 22	0.8508	ON APR 2	958 000	1954
1955	132 AT 16:00 MST	ON JUN 25	128	ON JUN 25	0.7088	ON MAR 24	882 000	1955
1956	154 AT 14:00 MST	ON MAY 24	151	ON MAY 24	1.98 B	ON FEB 23	646 000	1956
1957	101 AT 18:30 MST	ON MAY 8	98.3	ON MAY 8	1.70 B	ON FEB 19	531 000	1957
1958	90.6 AT 11:00 MST	ON JUN 12	89.5	ON JUN 12	1.42 B	ON JAN 13	515 000	1958
1959	123 AT 02:30 MST	ON JUN 8	121	ON JUN 7	3.96 B	ON MAR 8	786 000	1959
1960	83.5 AT 22:00 MST	ON JUN 5	81.8	ON JUN 5	1.70 B	ON MAR 14	453 000	1960
1961	103 AT 22:30 MST	ON MAY 30	88.8	ON MAY 31	2.46 B	ON JAN 19	523 000	1961
1962	55.5 AT 20:00 MST	ON JUN 5	48.4	ON MAY 31	2.55 B	ON JAN 24	460 000	1962
1963	90.8 AT 24:00 MST	ON JUN 12	72.5	ON JUN 11	2.44 B	ON JAN 9	454 000	1963
1964	595 AT 16:30 MST	ON JUN 8	481	ON JUN 9	0.9348	ON JAN 21	797 000	1964
1965	148 AT 15:00 MST	ON JUN 20	146	ON JUN 20	3.11 B	ON JAN 23	755 000	1965
1966	148 AT 18:00 MST	ON JUN 4	125	ON JUN 4	2.72 B	ON MAR 1	555 000	1966
1967	167 AT 19:00 MST	ON MAY 31	163	ON MAY 31	3.00 B	ON MAR 12	767 000	1967
1968	71.4 AT 19:15 MDT	ON JUN 7	67.7	ON JUN 7	3.74 B	ON JAN 8	565 000	1968
1969	117 AT 12:15 MDT	ON JUN 27	108	ON JUN 27	2.80 B	ON MAR 11	551 000	1969
1970	182 AT 16:00 MDT	ON JUN 13	165	ON JUN 14	2.32 B	ON JAN 16	593 000	1970
1971	162 AT 10:15 MST	ON MAY 31	158	ON MAY 31	2.94 B	ON DEC 31	732 000	1971
1972	141 AT 12:15 MST	ON JUN 12	138	ON JUN 12	1.84 B	ON JAN 10	784 000	1972
1973	72.5 AT 04:45 MST	ON JUN 10	70.5	ON JUN 10	2.58	ON MAR 29	389 000	1973
1974	187 AT 10:00 MST	ON JUN 19	180	ON JUN 19	2.52 B	ON DEC 31	701 000	1974
1975	680 AT 04:00 MST	ON JUN 21	470	ON JUN 21	1.67 B	ON MAR 6	1 010 000	1975
1976	90.9 AT 18:00 MST	ON MAY 13	87.2	ON MAY 14	2.58 B	ON NOV 26	554 000	1976
1977	39.1 AT 14:00 MDT	ON JUN 9	38.2	ON JUN 9	2.01 B	ON MAR 20	329 000	1977
1978	118 AT 10:00 MST	ON JUN 10	114	ON JUN 10	2.35 B	ON MAR 16	731 000	1978
1979	144 AT 12:30 MDT	ON MAY 28	140	ON MAY 28	1.59 B	ON NOV 29	506 000	1979
1980	140 AT 13:30 MDT	ON MAY 26	125	ON MAY 26	0.8508	ON MAR 17	503 000	1980
1981	107 AT 22:00 MDT	ON MAY 22	99.4	ON MAY 23	1.70 B	ON DEC 31	498 000	1981
1982	102 AT 02:00 MDT	ON MAY 28	101	ON MAY 28	1.44 B	ON JAN 6	505 000	1982
1983	60.9 AT 08:30 MDT	ON MAY 31	60.3	ON MAY 30	1.98	ON APR 17	375 000	1983
1984	52.1 AT 13:00 MST	ON JUN 29	51.2	ON JUN 29	2.07	ON APR 9	382 000	1984
1985	81.3 AT 01:00 MST	ON JUN 10	76.5	ON JUN 10	1.27 B	ON MAR 30	503 000	1985
1986	139 AT 07:00 MST	ON JUN 1	138	ON JUN 1	1.98 B	ON DEC 31	551 000	1986
							851 000	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)

B - ICE CONDITIONS
E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ST MARY RIVER NEAR LETHBRIDGE - STATION NO 05AE005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	---	---	---	---	---	20.7	7.12	---	1911
1912	6.21	4.98	---	---	55.0	58.7	46.7	22.1	12.3	13.8	14.8	7.88	---	1912
1913	2.48	3.06	5.70	34.7	56.7	118	52.8	26.7	9.82	12.7	10.4	5.59	28.2	1913
1914	5.41	3.65	9.52	22.3	52.5	60.8	28.1	10.9	9.01	30.2	25.2	5.75	21.2	1914
1915	5.10	5.29	25.4	19.9	49.4	77.8	56.3	29.8	25.7	26.5	20.9	9.23	29.4	1915
1916	4.32	21.4	23.2	24.4	55.6	147	114	39.8	29.0	15.5	7.89	4.75	40.6	1916
1917	4.98	5.45	5.17	28.2	86.8	129	58.5	10.5	5.99	---	8.28	5.50	---	1917
1918	4.44	4.29	5.88	9.15	36.2	24.4	3.26	1.50	0.855	2.84	4.70	5.22	8.57	1918
1919	5.62	7.02	13.8	22.4	63.9	72.5	38.5	7.39	5.26	6.97	8.17	8.18	21.6	1919
1920	5.09	5.96	11.6	22.2	56.9	78.4	15.7	2.08	1.75	12.2	11.2	9.35	19.6	1920
1921	4.93	3.63	3.26	9.83	56.6	88.3	23.4	3.81	2.14	4.11	7.11	4.11	17.5	1921
1922	4.79	3.34	4.59	12.3	45.9	74.5	24.0	8.05	19.7	7.33	8.26	4.22	18.1	1922
1923	2.71	6.96	5.81	14.4	35.0	62.1	26.6	4.60	1.84	3.22	9.05	8.11	15.2	1923
1924	6.61	6.84	15.7	40.0	70.8	98.1	21.4	4.71	4.08	15.2	7.28	5.75	22.2	1924
1925	2.30	3.42	3.99	8.46	8.28	6.32	4.13	0.900	7.81	25.3	13.1	7.78	7.87	1925
1926	5.24	5.07	7.88	18.5	107	167	84.0	22.2	39.3	35.8	26.4	11.0	42.5	1926
1927	36.2	6.60	25.9	22.7	98.4	87.6	83.5	16.8	4.79	28.2	13.2	8.78	34.4	1927
1928	3.76	3.82	20.2	16.3	43.3	70.3	14.4	1.76	1.11	2.01	4.66	3.85	15.5	1928
1929	---	---	---	---	---	---	---	---	---	---	---	---	---	1929
1930	3.74	10.3	10.3	35.9	56.5	45.9	5.48	0.952	2.85	7.03	5.07	3.53	15.6	1930
1931	1.86	3.87	3.41	2.53	19.5	13.4	1.24	1.46	2.31	2.45	4.85	5.76	5.21	1931
1932	---	---	13.6	13.5	44.3	51.3	10.4	0.869	1.86	4.00	7.81	5.82	---	1932
1933	5.53	3.25	4.88	13.4	45.6	82.3	20.1	1.25	2.17	10.3	28.5	12.3	19.2	1933
1934	20.0	17.1	17.7	40.2	59.3	65.9	8.50	0.683	1.31	4.21	23.9	8.21	22.2	1934
1935	10.6	16.8	9.35	16.8	30.8	31.9	4.44	2.81	0.859	1.92	3.22	2.84	10.9	1935
1936	2.58	1.22	8.25	16.2	30.0	24.0	0.693	0.510	0.429	0.676	3.39	2.29	7.53	1936
1937	2.91	2.78	4.87	7.80	12.0	73.9	5.48	1.30	1.10	7.13	10.0	5.14	11.2	1937
1938	4.03	3.84	5.72	10.8	46.3	55.5	15.2	1.32	3.87	4.54	8.36	4.87	13.7	1938
1939	4.45	3.70	8.80	7.98	16.3	24.4	7.12	0.492	0.995	1.32	1.19	3.03	8.82	1939
1940	2.89	2.83	7.12	7.03	22.1	7.12	1.36	0.898	1.14	2.00	4.38	4.13	5.23	1940
1941	3.50	3.01	4.44	5.16	6.82	11.3	3.01	0.402	2.14	10.1	5.88	10.8	5.56	1941
1942	8.11	3.93	6.30	13.9	23.7	81.0	25.8	9.10	6.77	10.5	7.80	6.38	16.9	1942
1943	3.12	4.09	12.8	32.5	48.4	91.2	42.7	3.11	1.14	1.98	5.86	2.94	20.8	1943
1944	1.74	1.99	2.87	3.46	2.93	7.21	2.36	0.810	0.342	2.36	5.16	3.50	2.87	1944
1945	3.10	3.04	4.44	2.26	21.4	76.5	14.5	0.494	0.528	3.00	8.94	5.27	12.0	1945
1946	4.64	3.97	7.50	11.5	20.8	38.5	9.93	0.210	0.896	5.88	10.8	7.19	10.1	1946
1947	5.00	7.62	23.4	31.0	82.3	48.9	9.43	3.86	11.1	18.7	11.1	4.77	19.9	1947
1948	4.37	3.02	7.61	32.1	89.7	151	18.7	5.52	1.13	1.01	3.82	1.83	28.5	1948
1949	1.38	2.47	7.11	9.77	25.5	32.8	1.80	0.842	0.723	3.32	8.58	10.3	8.70	1949
1950	6.32	4.54	8.58	18.1	48.8	102	51.8	5.51	0.902	9.53	26.7	11.2	24.5	1950
1951	10.4	9.43	16.5	31.2	66.3	85.8	88.1	87.2	49.5	59.5	44.5	4.51	43.9	1951
1952	0.142	0.142	4.26	12.6	31.9	46.2	37.3	33.8	6.84	1.89	1.08	0.783	14.8	1952
1953	0.684	0.900	3.06	2.75	19.4	167	43.0	35.0	12.0	11.2	6.47	4.89	27.1	1953
1954	1.30	0.955	0.884	15.0	62.5	48.8	8.83	9.79	31.1	53.1	33.9	18.7	23.9	1954
1955	1.77	0.579	2.15	25.6	32.0	28.1	40.2	12.6	6.71	33.1	27.2	17.8	19.1	1955
1956	7.47	1.39	8.08	5.95	13.2	27.2	36.6	20.6	22.7	20.6	10.6	6.07	15.3	1956
1957	0.187	0.907	2.71	6.80	11.3	25.1	4.52	2.48	2.31	8.43	8.08	0.478	6.11	1957
1958	0.184	0.153	2.03	20.1	1.09	28.1	8.99	2.63	1.17	2.80	8.03	0.425	6.39	1958
1959	1.33	13.7	16.7	9.89	29.2	48.5	16.7	4.06	9.46	3.12	24.9	10.0	15.5	1959
1960	7.23	5.72	14.6	21.4	25.2	10.8	2.82	1.84	1.15	1.25	1.03	0.780	7.92	1960
1961	0.344	0.516	1.06	0.853	1.44	1.38	1.51	0.976	1.89	1.26	0.837	0.049	0.979	1961
1962	2.06	4.12	10.3	12.4	1.86	1.13	1.38	1.31	1.11	1.10	1.59	0.262	3.21	1962
1963	0.107	0.592	1.32	0.736	0.885	2.88	21.0	2.02	0.822	1.18	1.88	0.984	2.88	1963
1964	0.412	0.416	0.544	2.09	88.4	110	9.51	3.86	0.972	0.963	1.90	3.87	15.7	1964
1965	1.88	4.37	8.99	36.2	86.5	83.9	46.9	8.09	17.6	31.3	6.36	5.93	26.6	1965
1966	6.48	5.04	10.7	26.1	37.8	51.7	31.1	5.78	16.1	2.43	2.60	1.74	16.5	1966
1967	3.08	8.21	13.3	30.3	106	123	17.3	2.47	2.16	1.39	2.86	0.538	25.7	1967
1968	0.848	0.834	1.34	2.81	8.87	40.2	3.80	8.81	38.6	13.4	39.4	6.49	13.8	1968
1969	0.830	1.58	10.7	24.9	27.8	23.2	35.0	13.8	1.71	1.77	1.54	0.795	12.0	1969
1970	0.824	0.976	1.13	1.75	28.9	35.8	25.8	9.02	2.15	1.91	2.06	6.10	9.75	1970
1971	6.86	8.34	4.51	8.89	36.8	66.6	14.2	7.28	8.06	8.41	4.74	3.06	14.8	1971
1972	3.88	4.22	37.3	30.1	88.3	80.0	12.1	15.0	2.86	11.3	9.63	2.93	23.1	1972
1973	4.60	4.18	4.19	2.25	2.86	8.84	3.97	3.30	3.93	9.06	3.78	0.663	4.29	1973
1974	0.826	2.44	3.79	5.76	28.1	44.9	11.6	9.52	14.3	3.11	4.33	0.927	10.9	1974
1975	0.934	1.03	1.23	6.84	61.9	194	67.8	10.1	40.0	17.0	1.71	9.29	34.3	1975
1976	11.7	10.3	12.2	3.37	17.5	4.84	8.50	28.7	8.97	11.1	4.73	3.78	10.8	1976
1977	2.77	4.22	2.17	1.92	2.27	2.87	2.78	2.33	1.87	2.47	2.18	1.45	2.42	1977
1978	1.18	1.36	7.38	3.86	35.1	55.2	16.5	13.4	62.8	37.1	8.48	2.25	20.4	1978
1979	3.36	2.00	26.8	23.4	58.2	22.8	4.78	4.77	3.67	4.77	3.09	1.90	13.1	1979
1980	1.93	2.10	2.80	3.13	22.0	47.3	8.20	8.72	3.42	11.7	4.81	8.01	10.1	1980
1981	5.85	1.83	1.46	1.38	59.8	35.2	3.59	4.30	3.06	3.79	6.85	3.38	11.2	1981
1982	2.80	2.48	3.48	12.5	10.2	28.5	24.0	4.35	2.98	11.8	11.9	5.52	10.1	1982
1983	3.35	3.30	4.26	2.70	5.79	2.49	2.88	2.81	2.76	3.99	8.17	2.85	3.58	1983
1984	5.82	1.83	1.18	1.30	1.54	1.84	2.31	2.82	2.16	1.44	1.21	0.884	2.02	1984
1985	0.745	0.787	1.59	1.36	13.0	4.85	2.83	2.53	2.52	7.20	19.8	6.46	5.32	1985
1986	5.51	8.86	21.6	10.4	26.7	16.0	2.92	4.59	2.31	11.8	5.86	4.32	10.1	1986
MEAN	4.70	4.48	8.72	14.7	37.6	55.7	21.8	8.42	8.28	10.4	9.86	5.17	15.8	MEAN

LOCATION - LAT 49 36 24 N DRAINAGE AREA 3 530 km²
LONG 112 50 38 W REGULATED SINCE 1911

ST. MARY RIVER NEAR LETHBRIDGE - STATION NO. 05AE006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	---	---	1911
1912	---	98.3 ON JUL 27	3.77 B ON MAR 16	---	1912
1913	---	188 ON JUN 3	1.30 ON OCT 5	891 000	1913
1914	---	87.1 ON MAY 24	1.59 B ON FEB 4	670 000	1914
1915	---	162 ON JUL 28	3.91 B ON MAR 3	926 000	1915
1916	---	254 ON JUN 22	3.68 B ON JAN 2	1 280 000	1916
1917	---	163 E ON JUN 13	4.11 B ON DEC 10	---	1917
1918	146 AT 10:00 MST ON JUN 16	141 ON JUN 16	1.90 B ON DEC 22	---	1918
1919	---	101 ON MAY 31	0.986 E ON AUG 23	270 000	1919
1920	118 AT 11:00 MST ON JUN 19	112 ON JUN 19	1.39 ON SEP 13	882 000	1920
1921	113 AT 00:30 MST ON JUN 9	109 ON JUN 9	1.10 ON AUG 13	617 000	1921
1922	126 AT 12:00 MST ON JUN 8	126 ON JUN 8	1.06 B ON DEC 1	553 000	1922
1923	---	101 A ON JUN 22	2.32 B ON FEB 5	570 000	1923
1924	105 AT 12:00 MST ON JUN 8	91.5 ON JUN 9	1.09 B ON JAN 8	479 000	1924
1925	118 AT 16:00 MST ON MAY 24	116 ON MAY 26	1.22 A ON AUG 31	702 000	1925
1926	---	51.0 ON OCT 20	0.408 ON AUG 29	243 000	1926
1927	300 AT 03:30 MST ON MAY 30	281 ON MAY 30	4.13 B ON JAN 23	1 340 000	1927
1928	218 AT 06:00 MST ON JUL 2	208 ON JUL 2	1.98 ON OCT 1	1 090 000	1928
1929	175 AT 21:45 MST ON JUN 1	108 ON JUN 4	0.760 ON AUG 31	488 000	1929
1930	82.7 AT 11:30 MST ON MAY 5	80.1 ON MAY 5	0.569 ON JUL 18	491 000	1930
1931	46.7 ON MAY 18	42.8 ON MAY 19	0.340 ON JUL 25	184 000	1931
1932	224 AT 03:00 MST ON MAY 22	139 ON MAY 22	0.418 ON AUG 10	---	1932
1933	118 AT 06:00 MST ON JUN 10	112 ON JUN 9	0.411 ON AUG 16	804 000	1933
1934	159 E AT 12:00 MST ON JUN 9	156 E ON JUN 9	0.5958 ON DEC 25	700 000	1934
1935	---	75.8 ON MAY 26	0.0984 ON SEP 23	344 000	1935
1936	71.4 AT 01:00 MST ON APR 12	57.5 ON JUN 6	0 ON JUL 25 *	238 000	1936
1937	238 AT 01:30 MST ON JUN 14	196 ON JUN 14	0.583 ON SEP 21	362 000	1937
1938	140 AT 18:30 MST ON MAY 29	136 ON MAY 29	0.735 ON OCT 2	431 000	1938
1939	42.2 AT 18:00 MST ON MAY 25	38.2 ON MAY 25	0.396 ON SEP 5	209 000	1939
1940	35.8 AT 11:30 MST ON MAY 22	24.5 ON MAY 22	0.181 ON SEP 1	185 000	1940
1941	27.2 AT 18:00 MST ON JUN 5	26.7 ON JUN 6	0.1254 ON AUG 14	176 000	1941
1942	176 AT 23:00 MST ON JUN 6	165 ON JUN 7	1.60 ON AUG 28	532 000	1942
1943	138 AT 22:00 MST ON JUN 21	136 ON JUN 21	0.411 ON SEP 30	657 000	1943
1944	21.3 AT 09:00 MST ON JUN 29	16.9 ON JUN 29	0.119 ON APR 29	90 700	1944
1945	125 AT 09:00 MST ON JUN 8	123 ON JUN 8	0.113 ON SEP 7	376 000	1945
1946	88.8 AT 19:30 MST ON JUN 7	82.9 ON JUN 8	0.082 ON AUG 13	320 000	1946
1947	96.6 AT 06:00 MST ON MAR 20	87.2 ON MAR 20	0.575 ON AUG 20	627 000	1947
1948	416 AT 08:30 MST ON JUN 18	362 ON JUN 18	0.507 ON OCT 28	839 000	1948
1949	59.7 AT 17:00 MST ON JUN 1	58.2 ON JUN 1	0.462 ON AUG 21	274 000	1949
1950	137 AT 09:00 MST ON JUN 26	133 ON JUN 26	0.269 ON SEP 7	772 000	1950
1951	167 AT 08:30 MST ON JUN 25	136 ON JUN 25	0.1428 ON DEC 20	1 380 000	1951
1952	68.6 AT 08:30 MST ON JUN 15	67.4 ON JUN 15	0.1138 ON DEC 19	467 000	1952
1953	442 AT 12:00 MST ON JUN 4	408 ON JUN 4	0.3408 ON JAN 18	854 000	1953
1954	199 AT 13:00 MST ON MAY 21	175 ON MAY 22	0.2658 ON JAN 12	783 000	1954
1955	108 ON JUN 28	104 ON JUL 4	0.1988 ON MAR 4	592 000	1955
1956	113 AT 08:00 MST ON JUN 1	113 ON JUN 1	0.885 ON NOV 11	485 000	1956
1957	83.0 AT 20:00 MST ON MAY 23	81.6 ON MAY 23	0 0 ON JAN 10	193 000	1957
1958	94.0 AT 17:00 MST ON JUN 12	88.6 ON JUN 13	0.0288 ON JAN 12	201 000	1958
1959	114 AT 03:00 MST ON JUN 11	113 ON JUN 11	0.0288 ON JAN 5	490 000	1959
1960	---	40.5 ON MAY 31	0.4538 ON DEC 18	250 000	1960
1961	5.41 AT 14:00 MST ON JUN 19	2.80 ON JUN 6	0 0 ON DEC 14	30 890	1961
1962	31.7 B AT 13:00 MST ON MAR 19	26.5 B ON MAR 19	0.0038 ON DEC 19	101 000	1962
1963	106 AT 03:00 MST ON JUL 1	86.1 ON JUL 1	0.0178 ON JAN 15	90 320	1963
1964	459 AT 04:00 MST ON JUN 11	447 ON JUN 11	0.218 ON OCT 5	927 000	1964
1965	123 AT 10:00 MST ON JUN 27	122 ON JUN 27	0.7828 ON JAN 28	831 000	1965
1966	119 AT 19:00 MST ON JUN 8	116 ON JUN 9	0.4258 ON DEC 1	521 000	1966
1967	---	105 E ON MAY 26	0.2558 ON DEC 17	410 000	1967
1968	---	86.9 ON SEP 28	0.1708 ON JAN 9	430 000	1968
1969	---	163 ON JUN 30	0.2838 ON NOV 25	379 000	1969
1970	150 AT 14:33 MST ON JUN 16	147 ON JUN 16	0.2048 ON NOV 29	307 000	1970
1971	---	155 ON JUN 1	0.7998 ON DEC 7	469 000	1971
1972	141 AT 08:40 MST ON JUN 10	131 ON JUN 13	1.31 ON OCT 22	731 000	1972
1973	76.9 AT 00:30 MST ON JUN 22	26.3 ON JUN 21	0.2078 ON DEC 16	135 000	1973
1974	90.9 AT 11:20 MST ON JUN 22	90.0 ON JUN 22	0.4258 ON JAN 6	343 000	1974
1975	731 AT 21:50 MST ON JUN 20 *	702 ON JUN 21 *	0.6918 ON FEB 2	1 080 000	1975
1976	83.0 AT 06:40 MST ON MAY 20	52.1 ON MAY 20	1.76 B ON NOV 20	333 000	1976
1977	12.0 B AT 11:10 MST ON FEB 27	6.208 ON FEB 21	0.3118 ON NOV 21	78 300	1977
1978	95.4 AT 16:35 MST ON JUN 13	94.9 ON JUN 13	1.02 B ON JAN 3	643 000	1978
1979	116 AT 16:35 MST ON MAY 30	116 ON MAY 30	0.8758 ON DEC 12	415 000	1979
1980	286 AT 02:35 MST ON MAY 27	242 ON MAY 27	1.60 B ON JAN 9	321 000	1980
1981	---	225 ON MAY 25	0.2498 ON JAN 23	354 000	1981
1982	72.8 AT 10:30 MST ON JUN 10	69.8 ON JUN 9	2.06 B ON FEB 27	319 000	1982
1983	25.6 AT 20:15 MST ON MAY 25	25.0 ON MAY 25	1.30 ON OCT 11	113 000	1983
1984	---	9.008 ON JAN 28	0.5848 ON FEB 20	83 800	1984
1985	30.0 AT 11:30 MST ON OCT 30	29.8 ON OCT 30	0.3808 ON FEB 6	188 000	1985
1986	---	81.0 B ON FEB 27	1.38 B ON NOV 12	319 000	1986
MEAN				489 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

STARK AND BURTON'S DITCH NEAR MEDICINE HAT - STATION NO. 05AH011

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	0.020	---	---	---	---	---	---	---	---	1915
1916	---	---	---	0.093	---	---	---	---	---	---	---	---	---	1916
MEAN	---	---	---	0.093	0.020	---	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 54 00 N
LONG 110 38 00 W
REGULATED

STARK AND BURTON'S DITCH NEAR MEDICINE HAT - STATION NO. 05AH011

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	---		---	1915
1916	---	---	0 ON APR 27 *	---	1916
			---	---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

STEEN RIVER NEAR STEEN RIVER - STATION NO. 07OB004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	---	---	---	---	---	1.18	---	---	---	1974
1975	---	---	0.040	10.0	22.6	18.0	44.9	12.3	5.89	5.29	---	---	14.9	1975
1976	---	---	0.074	21.7	29.1	31.2	19.6	9.04	8.48	6.45	---	---	15.7	1976
1977	---	---	0.024	8.46	30.0	39.8	32.4	12.9	2.20	1.25	---	---	15.9	1977
1978	---	---	0.005	0.885	31.5	8.39	2.92	3.55	3.97	2.80	---	---	5.78	1978
1979	---	---	0.009	0.042	23.4	44.2	8.49	2.83	5.94	4.23	---	---	11.2	1979
1980	---	---	0	1.59	1.88	0.859	0.086	0.023	0.020	0.087	---	---	0.538	1980
1981	---	---	0.009	0.858	18.4	3.14	1.18	0.041	0.012	0.171	---	---	3.00	1981
1982	---	---	0.007	0.058	34.8	2.80	0.256	0.059	0.081	0.097	---	---	4.83	1982
1983	---	---	0.007	5.69	32.1	8.76	0.588	0.093	0.084	0.080	---	---	5.94	1983
1984	---	---	0.008	2.48	1.04	1.49	25.2	3.50	8.95	7.03	---	---	8.23	1984
1985	---	---	0.041	2.51	39.0	5.85	2.36	9.62	13.2	7.53	---	---	10.1	1985
1986	---	---	0.071	5.60	40.1	16.6	11.7	4.89	1.83	2.21	---	---	10.4	1986
MEAN	---	---	0.028	4.99	25.3	15.1	12.6	4.89	4.30	2.95	---	---	8.79	MEAN

LOCATION - LAT 59 36 00 N LONG 117 12 00 W
DRAINAGE AREA, 2 810 km^2
NATURAL FLOW

STEEN RIVER NEAR STEEN RIVER - STATION NO. 07OB004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1974	---	---	---	---	1974
1975	100 AT 11 45 MST ON JUL 5 *	97.1 ON JUL 5 *	0.0088 ON APR 9	316 000	1975
1976	86.5 AT 14 00 MST ON APR 29	86.3 ON APR 29	0.0718 ON MAR 15	331 000	1976
1977	94.8 AT 11 00 MST ON JUN 12	84.6 ON JUN 12	0.0238 ON MAR 2	336 000	1977
1978	85.1B AT 00 30 MST ON MAY 6	80.0 B ON MAY 6	0.0018 ON MAR 1	144 000	1978
1979	94.6 AT 17 00 MST ON JUN 3	94.3 ON JUN 3	0.0078 ON APR 1	237 000	1979
1980	11.5B AT 05 30 MST ON APR 24	7.308 ON APR 24	0 B ON MAR 1 *	11 400	1980
1981	33.9 AT 00 00 MST ON MAY 9	32.9 ON MAY 9	0.0055 ON MAR 6	83 500	1981
1982	57.0 AT 19 30 MST ON MAY 7	55.4 ON MAY 7	0.0038 ON MAR 1	102 000	1982
1983	80.8B AT 19 00 MST ON APR 30	52.6 B ON APR 30	0.0045 ON APR 1	128 000	1983
1984	45.9 AT 18 00 MST ON JUL 8	45.7 ON JUL 8	0.0018 ON MAR 20	132 000	1984
1985	86.9 AT 21 30 MST ON MAY 10	86.3 ON MAY 11	0.0308 ON MAR 5	213 000	1985
1986	97.3B AT 11 00 MST ON MAY 4	94.0 B ON MAY 4	0.0578 ON MAR 17	220 000	1986
				186 000	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

STEEPBANK RIVER NEAR FORT MCMURRAY - STATION NO. 07DA005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	---	---	3.02	2.07	0.783	---	1972
1973	0.919	---	---	---	---	---	---	---	---	---	---	1.30	---	1973
1974	0.909	0.807	0.878	19.2	25.8	12.4	8.86	7.80	4.12	5.33	1.80	0.959	7.35	1974
1975	0.841	0.438	0.415	2.65	13.8	14.0	27.3	15.3	30.2	17.4	2.77	0.719	10.5	1975
1976	0.518	0.415	0.489	8.23	5.65	3.17	4.18	5.52	10.7	7.61	2.06	0.481	4.07	1976
1977	0.369	0.369	0.431	6.32	7.22	7.20	5.47	2.84	2.32	2.61	0.809	0.304	3.04	1977
1978	0.352	0.384	0.315	3.01	10.8	5.86	2.24	7.76	23.4	16.4	4.58	1.18	6.35	1978
1979	0.595	0.408	0.389	0.826	30.1	10.6	3.80	4.66	6.97	4.89	2.59	0.742	5.81	1979
1980	0.368	0.314	0.370	3.83	1.81	2.07	0.802	8.08	13.7	7.53	2.52	0.615	3.30	1980
1981	0.457	0.431	0.477	2.82	5.84	3.54	6.78	1.47	0.168	0.758	0.949	0.385	2.01	1981
1982	0.228	0.174	0.206	3.00	18.4	4.42	1.53	2.43	2.34	1.32	0.834	0.390	2.97	1982
1983	0.385	0.326	0.357	3.11	4.23	3.74	2.34	1.85	1.18	1.82	1.45	0.212	1.74	1983
1984	0.081	0.169	0.289	2.84	2.22	11.2	14.8	10.7	13.3	10.3	4.02	1.41	5.96	1984
1985	0.535	0.379	0.385	5.96	33.0	5.58	2.02	0.827	2.35	4.62	1.86	0.852	4.95	1985
1986	0.398	0.257	0.447	3.63	15.4	8.38	13.2	8.84	2.19	2.85	1.33	0.665	4.70	1986
MEAN	0.491	0.348	0.407	5.11	13.4	7.07	7.18	5.71	8.89	5.15	2.12	0.717	4.81	MEAN

LOCATION - LAT 57 00 14 N LONG 111 24 53 W
DRAINAGE AREA, 1 320 km^2
NATURAL FLOW

STEEPBANK RIVER NEAR FORT MCMURRAY - STATION NO 07DA005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	---	---	---	1972
1973	---	---	---	---	1973
1974	61.7 AT 10:35 MST ON APR 27	60.9 ON APR 27	0.4988 ON MAR 27	232 000	1974
1975	56.8A AT 10:30 MST ON JUL 19	55.8 A ON JUL 19	0.3948 ON MAR 3	332 000	1975
1976	19.1 AT 09:40 MST ON AUG 28	18.9 ON AUG 29	0.3828 ON DEC 26	129 000	1976
1977	16.2 AT 16:24 MST ON APR 22	13.0 ON MAY 31	0.2558 ON DEC 18	95 700	1977
1978	33.7 AT 19:10 MST ON SEP 25	33.4 ON SEP 25	0.2558 ON MAR 4	201 000	1978
1979	86.1 AT 20:55 MST ON MAY 21	85.2 ON MAY 20	0.3108 ON APR 8	177 000	1979
1980	18.9 AT 01:00 MST ON SEP 24	18.2 ON SEP 22	0.140 ON JUL 16	104 000	1980
1981	11.9 AT 13:00 MST ON JUL 13	11.7 ON JUL 13	0.022 ON SEP 18 *	63 500	1981
1982	26.4B AT 09:25 MST ON MAY 8	25.2 ON MAY 11	0.1508 ON FEB 8	93 800	1982
1983	11.2 AT 15:54 MST ON APR 23	9.68 ON APR 23	0.0908 ON DEC 27	54 800	1983
1984	37.8 AT 18:12 MST ON JUL 11	34.3 ON JUL 11	0.0808 ON JAN 5	188 000	1984
1985	82.0E AT 17:29 MST ON MAY 7 *	81.0 E ON MAY 8 *	0.259 ON AUG 24	156 000	1985
1986	23.4 AT 23:17 MST ON MAY 12	22.8 ON MAY 12	0.2028 ON MAR 6	148 000	1986
				152 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

STIMSON CREEK NEAR PEKISKO - STATION NO 05BL007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	---	---	1.56	3.37	1.35	0.412	0.694	---	---	---	1912
1913	---	---	---	---	0.882	1.76	0.824	0.520	0.286	---	---	---	---	1913
1914	---	---	---	---	---	0.776	0.121	0	0.004	---	---	---	---	1914
1915	---	---	---	0.526	---	---	---	---	---	---	---	---	---	1915
1916	---	---	---	---	2.94	8.22	4.10	2.54	2.36	1.55	---	---	---	1916
1917	---	---	---	---	8.46	9.86	0.829	0.225	0.217	0.172	---	---	---	1917
1918	---	---	---	0.523	0.558	0.374	0.048	0.002	0.004	0.036	---	---	---	1918
1919	---	---	0.140	0.546	0.216	0.034	---	---	---	---	---	---	---	1919
1938	---	---	---	---	---	---	---	0.007	0	0	---	---	---	1938
1939	---	---	0.318	0.331	0.075	1.72	0.294	0.148	0.005	0.061	---	---	0.361	1939
1940	---	---	0.042	0.949	1.40	0.501	0.128	0.008	0.051	0.187	---	---	0.407	1940
1941	---	---	---	0.228	0.249	0.713	0.043	0.024	0.302	0.398	---	---	---	1941
1942	---	---	---	0.871	14.5	11.8	3.85	2.88	3.27	0.853	---	---	---	1942
1943	---	---	0.873	5.07	1.82	1.07	0.223	0.008	0	0	---	---	1.11	1943
1944	---	---	0.080	0.266	0.145	0.126	0.037	0	0	0	---	---	0.078	1944
1945	---	---	0.004	0.193	1.13	2.80	0.845	0.057	0.129	0.134	---	---	0.632	1945
1946	---	---	0.371	0.632	0.771	3.08	0.663	0.102	0.222	0.288	---	---	0.746	1946
1947	---	---	2.11	2.85	2.21	3.65	0.493	0.393	0.621	0.506	---	---	1.59	1947
1948	---	---	0.436	3.74	5.61	4.55	1.16	0.401	0.051	0.082	---	---	2.11	1948
1949	---	---	0	1.26	0.534	0.753	0.056	0.007	0	0	---	---	0.322	1949
1950	---	---	0.126	1.22	1.01	0.450	0.151	0.063	0	0	---	---	0.375	1950
1951	---	---	0.226	1.86	3.00	5.78	4.17	2.54	3.88	2.83	---	---	3.12	1951
1952	---	---	1.34	5.02	4.19	2.77	1.17	0.232	0.188	0.037	---	---	1.86	1952
1953	---	---	1.42	2.74	5.58	13.9	1.58	0.125	0.040	0.045	---	---	3.14	1953
1954	---	---	0.101	1.56	2.63	1.48	0.354	0.417	0.400	0.575	---	---	0.924	1954
1955	---	---	0.302	2.95	7.48	1.95	1.89	0.101	0.035	0.046	---	---	1.85	1955
1956	---	---	---	0.855	0.879	0.322	0.798	0.120	0.364	0.083	---	---	---	1956
1957	---	---	0.854	2.16	1.88	1.35	0.116	0.013	0.025	0.105	---	---	0.784	1957
1958	---	---	0.078	2.39	2.19	1.58	3.03	0.328	0.117	0.074	---	---	1.22	1958
1959	---	---	0.426	1.03	2.37	2.21	0.338	0.008	0.039	0.086	---	---	0.609	1959
1960	---	---	0.286	0.415	2.03	0.565	0.045	0	0	0	---	---	0.418	1960
1961	---	---	0.053	0.287	0.578	0.085	0.002	0.008	0	0.123	---	---	0.144	1981
1962	---	---	0.691	1.97	0.842	0.422	0.034	0	0	0	---	---	0.486	1962
1963	---	---	0.078	0.174	0.210	1.77	2.85	0.145	0.088	0.002	---	---	0.624	1963
1964	---	---	0	0.471	1.59	1.18	0.182	0	0	0	---	---	0.424	1964
1965	---	---	0.459	2.63	0.630	1.58	1.21	0.208	0.383	0.258	---	---	0.912	1965
1966	---	---	0.145	0.886	1.50	2.94	0.846	0.288	0.095	0.157	---	---	0.827	1966
1967	---	---	0.893	1.63	5.82	5.54	0.576	0.129	0.052	0.089	---	---	1.83	1967
1968	---	---	0.326	0.486	0.531	0.798	0.278	0.286	0.809	0.781	---	---	0.506	1968
1969	---	---	0.706	4.14	2.38	5.83	8.87	0.346	0.178	0.206	---	---	2.59	1969
1970	---	---	0.184	0.714	1.41	2.88	0.523	0.081	0.070	0.116	---	---	0.716	1970
1971	---	---	0.174	1.86	0.924	1.47	0.163	0.026	0.044	0.089	---	---	0.800	1971
1972	---	---	0.888	1.82	2.70	0.871	0.295	0.212	0.188	0.333	---	---	0.912	1972
1973	---	---	0.377	1.16	2.23	1.16	0.169	0.052	0.058	0.083	---	---	0.860	1973
1974	---	---	0.533	1.53	4.15	1.41	0.294	0.189	0.242	0.243	---	---	1.07	1974
1975	---	---	0.003	1.82	4.33	3.00	1.02	0.284	0.184	0.221	---	---	1.38	1975
1976	---	---	0.551	0.786	0.828	0.402	0.106	1.51	0.288	0.198	---	---	0.582	1976
1977	---	---	0.328	0.559	0.414	0.100	0.045	0.171	0.180	0.140	---	---	0.239	1977
1978	---	---	1.11	1.07	2.36	1.55	0.798	0.302	0.267	0.136	---	---	0.848	1978
1979	---	---	0.885	1.88	2.37	0.821	0.274	0.087	0.014	0.107	---	---	0.781	1979
1980	---	---	0.271	1.54	0.786	1.11	0.144	0.153	0.188	0.225	---	---	0.843	1980
1981	---	---	0.387	0.330	4.27	2.84	0.852	0.413	0.188	0.162	---	---	1.16	1981
1982	---	---	0.011	0.742	0.483	1.44	0.493	0.115	0.110	0.114	---	---	0.436	1982
1983	---	---	0.222	0.770	0.588	0.284	0.086	0.034	0.036	0.059	---	---	0.260	1983
1984	---	---	0.163	0.146	0.106	0.085	0.004	0	0	0	---	---	0.063	1984
1985	---	---	0.012	0.295	0.101	0.055	0.011	0	0.188	0.282	---	---	0.115	1985
1986	---	---	0.523	0.699	1.43	0.703	0.242	0.078	0.297	0.358	---	---	0.529	1986
MEAN	---	---	0.421	1.37	2.24	2.32	0.893	0.322	0.308	0.251	---	---	0.914	MEAN

LOCATION - LAT 50 25 50 N
LONG 114 09 55 W
DRAINAGE AREA 283 km^2
REGULATED SINCE 1966

STIMSON CREEK NEAR PEKISKO - STATION NO. 05BL007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	17.3 ON JUN 16	---	---	1912
1913	---	---	---	---	1913
1914	---	---	0 ON JUL 27 *	---	1914
1915	---	---	---	---	1915
1916	---	27.8 ON JUN 28	---	---	1916
1917	---	23.3 ON JUN 11	---	---	1917
1918	---	1.30 ON MAY 31	0 ON JUL 30	---	1918
1919	---	1.61 ON MAR 30	0 ON MAR 1	---	1919
1938	---	---	0 ON AUG 8	---	1938
1939	---	8.47 ON JUN 17	0 B ON MAR 1	7 840	1939
1940	---	2.83 ON APR 29	0 B ON MAR 1	8 820	1940
1941	---	3.71 ON JUN 2	0 ON JUL 21	---	1941
1942	---	57.5 ON MAY 11 *	---	---	1942
1943	---	24.2 E ON APR 2	0 B ON MAR 1	23 400	1943
1944	---	0.882 ON APR 1	0 B ON MAR 1	1 680	1944
1945	---	13.1 ON JUN 28	0 ON MAR 1	13 400	1945
1946	29.7 AT 20:00 MST ON JUN 6	25.5 ON JUN 6	0 B ON MAR 1	15 800	1946
1947	---	12.4 ON JUN 2	0.014 ON SEP 27	33 700	1947
1948	15.6 AT 17:30 MST ON APR 30	16.5 ON APR 30	0.034 ON SEP 24	44 800	1948
1949	---	5.35 ON APR 5	0 B ON MAR 1	6 820	1949
1950	---	4.16 B ON APR 15	0 B ON MAR 1	7 840	1950
1951	---	35.4 ON AUG 31	0 B ON MAR 1	86 100	1951
1952	28.6 AT 19:00 MST ON MAY 14	16.6 ON MAY 15	0 ON AUG 25	39 300	1952
1953	53.2 AT 08:00 MST ON JUN 9	46.7 ON JUN 10	0 B ON MAR 1	88 800	1953
1954	---	5.30 ON MAY 12	0 B ON MAR 16	18 800	1954
1955	---	20.5 ON MAY 10	0 B ON MAR 1	38 100	1955
1956	---	7.84 ON JUL 4	---	---	1956
1957	---	5.15 B ON APR 13	0.003 ON AUG 3	16 800	1957
1958	---	13.2 B ON APR 13	0 B ON MAR 19	25 800	1958
1959	9.54 AT 18:30 MST ON JUN 28	9.46 ON JUN 28	0.003 ON AUG 4	17 100	1959
1960	6.03 AT 06:00 MST ON MAY 2	5.10 ON MAY 2	0 B ON MAR 1	8 870	1960
1961	2.83 AT 01:00 MST ON MAY 17	2.27 ON MAY 17	0 ON MAR 1	3 040	1961
1962	---	6.03 A ON APR 4	0 B ON MAR 1	9 880	1962
1963	44.2 AT 10:00 MST ON JUN 30	32.6 ON JUN 30	0 ON SEP 7	13 200	1963
1964	6.85 AT 23:00 MST ON JUN 17	5.58 ON MAY 7	0 B ON MAR 1	8 880	1964
1965	---	7.80 ON JUN 30	0 B ON MAR 1	19 300	1965
1966	13.1 AT 10:00 MST ON JUN 11	8.75 ON JUN 11	0 B ON MAR 1	17 500	1966
1967	23.3 AT 06:00 MST ON MAY 31	19.5 ON MAY 31	0 B ON MAR 1	36 800	1967
1968	3.85 AT 04:38 MST ON JUN 8	2.83 DC JUN 8	0.059 ON JUL 18	10 700	1968
1969	61.4 AT 13:25 MST ON JUN 29 *	47.3 ON JUN 29	0.0578 ON MAR 1	94 700	1969
1970	30.0 AT 07:52 MST ON JUN 14	21.8 ON JUN 14	0.0088 ON MAR 1	15 200	1970
1971	12.8 AT 21:00 MST ON JUN 8	8.01 ON JUN 7	0 B ON MAR 1	12 700	1971
1972	14.8 AT 19:30 MST ON MAY 25	8.41 ON MAY 26	0.0118 ON MAR 1	19 300	1972
1973	13.8 AT 17:00 MST ON MAY 24	11.8 ON MAY 26	0 ON AUG 23	14 000	1973
1974	12.3 AT 02:30 MST ON MAY 30	9.28 ON MAY 30	0.0288 ON MAR 8	22 700	1974
1975	26.2 AT 14:00 MST ON JUN 30	21.7 ON JUN 30	0 B ON MAR 2	28 900	1975
1976	14.0 AT 07:00 MST ON AUG 6	10.0 ON AUG 6	0.013 ON JUL 25	12 300	1976
1977	---	2.12 B ON APR 5	0.014 ON JUL 7	5 070	1977
1978	8.81 AT 14:00 MST ON MAY 31	7.50 ON MAY 31	0.078 ON SEP 4	20 100	1978
1979	6.78 AT 15:00 MST ON JUL 5	3.69 ON MAY 8	0 ON SEP 16	15 800	1979
1980	14.2 B AT 08:00 MST ON APR 13	5.09 B ON APR 13	0.074 ON JUL 12	11 500	1980
1981	18.9 AT 12:00 MST ON JUN 14	14.0 ON JUN 14	0.111 ON OCT 3	24 500	1981
1982	6.35 AT 14:39 MST ON JUN 30	4.78 ON JUN 30	0.0018 ON MAR 1	9 220	1982
1983	5.13 AT 17:33 MST ON APR 25	3.26 ON APR 25	0 ON AUG 31	5 500	1983
1984	---	0.6808 ON MAR 28	0 ON JUL 3	1 330	1984
1985	1.81 AT 11:33 MST ON SEP 13	0.811 ON SEP 13	0 B ON MAR 4	2 430	1985
1986	3.89 AT 08:18 MST ON JUN 9	2.82 ON JUN 9	0.020 ON AUG 28	11 200	1986
				19 300	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

STIRLING LAKE OUTFLOW NEAR STIRLING - STATION NO. 05AF039

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	---	---	---	0.344	0.517	0.527	0.375	0.313	---	---	---	1976
1977	---	---	---	0.175	0.241	0.800	1.22	1.00	0.806	0.384	---	---	---	1977
1978	---	---	3.42	1.81	0.530	0.442	1.14	1.49	1.53	0.437	---	---	1.35	1978
1979	---	---	3.25	0.715	0.684	0.544	0.940	0.751	0.841	0.482	---	---	1.00	1979
1980	---	---	0.229	0.178	0.365	0.808	1.17	1.28	0.887	0.479	---	---	0.824	1980
1981	---	---	0.301	0.080	0.548	0.743	1.03	0.753	0.887	0.387	---	---	0.578	1981
1982	---	---	0.145	1.19	0.219	0.921	1.54	0.816	0.593	0.885	---	---	0.773	1982
1983	---	---	0.156	0.178	0.328	1.02	0.885	1.43	0.605	0.516	---	---	0.641	1983
1984	---	---	0.054	0.062	0.489	1.36	1.39	1.23	0.699	0.401	---	---	0.710	1984
1985	---	---	0.072	0.141	0.353	1.00	2.23	1.21	1.35	0.712	---	---	0.885	1985
1986	---	---	0.441	0.148	0.358	1.43	2.34	1.23	0.703	0.486	---	---	0.884	1986
MEAN	---	---	0.885	0.489	0.411	0.837	1.32	1.07	0.778	0.477	---	---	0.828	MEAN

LOCATION - LAT 49 31 50 N
LONG 112 30 29 W
REGULATED

STIRLING LAKE OUTFLOW NEAR STIRLING - STATION NO. 05AF029

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1976	---	---	---	---	1976
1977	---	1.73 ON JUN 30	---	---	1977
1978	---	13.1 B ON MAR 25	0 B ON MAR 1 *	28 500	1978
1979	---	15.5 B ON MAR 8 *	0 B ON MAR 1	21 200	1979
1980	2.67 AT 05:30 MST ON MAY 26	2.19 ON MAY 26	0 B ON MAR 1	13 200	1980
1981	4.04 AT 15:00 MST ON JUN 14	3.70 ON JUN 14	0.048 ON MAY 3	12 300	1981
1982	8.04 AT 19:50 MST ON APR 14	7.25 ON APR 14	0 B ON MAR 1	16 300	1982
1983	4.02 AT 20:50 MST ON AUG 10	3.20 ON AUG 10	0.050 ON MAR 31	13 600	1983
1984	3.98 AT 19:10 MST ON JUL 30	3.82 ON JUL 31	0.0238 ON MAR 8	15 000	1984
1985	8.45 AT 24:00 MST ON SEP 12 *	7.44 ON SEP 13	0.0108 ON MAR 6	16 700	1985
1986	4.05 AT 03:55 MST ON JUN 30	3.90 ON JUN 30	0.031 ON APR 29	18 900	1986
				17 500	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

STONY CREEK NEAR SADDLE LAKE - STATION NO. 05ED001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	0.109	0.112	0.071	0.083	---	---	---	1972
1973	---	---	0.010	0.185	0.178	0.494	0.215	0.258	0.182	0.116	---	---	0.203	1973
1974	---	---	0.025	3.86	3.52	1.37	0.412	0.211	0.182	0.101	---	---	1.20	1974
1975	---	---	0.031	0.616	1.30	0.408	0.633	0.174	0.103	0.048	---	---	0.402	1975
1976	---	---	0.082	0.604	0.143	0.174	0.155	0.037	0.013	0.017	---	---	0.149	1976
MEAN	---	---	0.032	1.34	1.26	0.587	0.305	0.159	0.108	0.073	---	---	0.489	MEAN

LOCATION - LAT 54 01 28 N, LONG 111 41 54 W DRAINAGE AREA, 543 km^2, NATURAL FLOW

STONY CREEK NEAR SADDLE LAKE - STATION NO. 05ED001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	---	---	---	1972
1973	---	1.43 ON JUN 18	0.0088 ON MAR 1	4 280	1973
1974	---	14.8 ON APR 23 *	0.0238 ON MAR 21	25 400	1974
1975	---	2.24 ON MAY 1	0.0258 ON MAR 1	6 520	1975
1976	---	1.10 ON APR 11	0.001 ON OCT 7 *	3 180	1976
				10 300	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

STONY CREEK NEAR TAWATINAW - STATION NO. 07BE004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	0.009	1.03	0.170	0.048	0.191	0.131	0.026	0.004	---	---	0.195	1982
1983	---	---	0.035	0.238	0.084	0.186	0.266	0.048	0.010	0.130	---	---	0.124	1983
1984	---	---	0.071	0.080	0.054	0.295	0.026	0.002	0.030	0.085	---	---	0.077	1984
1985	---	---	0.035	0.791	0.239	0.114	0.033	0.049	0.026	0.036	---	---	0.164	1985
1986	---	---	0.212	0.264	0.192	0.096	1.36	0.244	0.023	0.053	---	---	0.308	1986
MEAN	---	---	0.072	0.481	0.148	0.148	0.376	0.085	0.023	0.058	---	---	0.174	MEAN

LOCATION - LAT 56 17 35 N, LONG 113 27 45 W DRAINAGE AREA, 128 km^2, NATURAL FLOW

STONY CREEK NEAR TAWATINAW - STATION NO. 07BE004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	3.138 AT 20:52 MST ON APR 21	3.03 B ON APR 22	0.0018 ON MAR 1	4 220	1982
1983	1.21 AT 06:51 MST ON MAY 29	0.9308 ON APR 8	0.0018 ON AUG 25	2 630	1983
1984	1.86 AT 14:49 MST ON JUN 6	1.17 ON JUN 6	0 ON AUG 8 *	1 640	1984
1985	2.73 AT 04:03 MST ON APR 26	1.69 B ON APR 2	0.001 ON AUG 7	3 470	1985
1986	7.73 AT 02:34 MST ON JUL 19 *	5.70 ON JUL 19 *	0.005 ON SEP 25	6 520	1986
				3 700	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

STRAWBERRY CREEK NEAR THE MOUTH - STATION NO. 05DF004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	---	---	0.058	0.223	---	---	---	1966
1967	---	---	0.022	4.76	0.783	0.732	0.053	0.074	0.003	0.003	---	---	0.791	1967
1968	---	---	3.80	0.135	0.049	0.014	0.010	0.039	0.045	0.045	---	---	0.523	1968
1969	---	---	0.009	7.38	0.505	0.084	0.057	0.052	0.083	0.072	---	---	1.01	1969
1970	---	---	0	4.90	0.232	0.141	0.055	0.038	0.031	0.039	---	---	0.887	1970
1971	---	---	0.008	11.6	0.305	0.823	1.73	0.083	0.005	0.020	---	---	1.77	1971
1972	---	---	1.49	6.88	0.699	0.263	0.102	0.053	0.030	0.046	---	---	1.18	1972
1973	---	---	0.690	5.09	1.05	2.52	5.11	0.195	0.071	0.135	---	---	1.85	1973
1974	---	---	0.073	24.5	2.84	0.748	4.31	0.182	0.057	0.075	---	---	4.05	1974
1975	---	---	0.001	3.21	1.03	0.127	0.081	0.031	0.022	0.009	---	---	0.557	1975
1976	---	---	0.070	2.30	0.072	0.024	0.017	0.372	0.036	0.007	---	---	0.357	1976
1977	---	---	0.204	1.11	5.21	0.482	0.057	0.032	0.039	0.085	---	---	1.03	1977
1978	---	---	1.87	1.28	0.783	0.797	1.76	0.139	2.85	0.338	---	---	1.20	1978
1979	---	---	2.54	4.84	2.03	0.351	0.122	0.094	0.042	0.050	---	---	1.23	1979
1980	---	---	0.026	5.57	0.112	8.57	1.18	0.429	1.27	0.727	---	---	2.20	1980
1981	---	---	3.27	1.26	1.49	1.18	1.26	0.388	0.030	0.057	---	---	1.12	1981
1982	---	---	0	13.0	0.953	0.067	9.80	0.174	0.101	0.299	---	---	3.05	1982
1983	---	---	1.19	3.84	0.462	0.606	2.48	0.183	0.031	0.050	---	---	1.07	1983
1984	---	---	1.10	0.544	0.729	1.30	0.022	0.003	0.587	0.458	---	---	0.588	1984
1985	---	---	7.49	10.9	0.862	0.158	0.053	0.073	0.057	0.102	---	---	2.42	1985
1986	---	---	3.85	1.12	2.85	0.101	11.8	0.503	0.379	0.255	---	---	2.64	1986
MEAN	---	---	1.39	5.89	1.19	0.943	2.01	0.156	0.267	0.148	---	---	1.47	MEAN

LOCATION - LAT 53 18 41 N DRAINAGE AREA, 584 km²
LONG 114 03 02 W NATURAL FLOW

STRAWBERRY CREEK NEAR THE MOUTH - STATION NO. 05DF004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1966	---	---	---	---	1966
1967	---	13.6 B ON APR 15	0.003 ON AUG 29	16 700	1967
1968	---	8.138 ON MAR 6	0.003 ON JUL 12	11 100	1968
1969	---	60.9 B ON APR 9	0 B ON MAR 1 *	21 400	1969
1970	---	30.6 B ON APR 6	0 B ON MAR 1	14 100	1970
1971	67.4B AT 23 00 MST ON APR 15	52.4 B ON APR 15	0 ON SEP 21	37 500	1971
1972	59.7 AT 22 30 MST ON APR 6	36.5 ON APR 7	0 B ON MAR 1	24 900	1972
1973	---	59.5 A ON JUL 2	0.014 ON MAY 18	38 100	1973
1974	122 AT 22 10 MST ON APR 19	102 ON APR 19	0.051 ON SEP 25	85 800	1974
1975	---	17.2 B ON APR 19	0 B ON MAR 1	11 800	1975
1976	---	18.3 B ON APR 7	0.002 ON JUL 6	7 550	1976
1977	74.8 AT 12 50 MST ON MAY 29	63.7 ON MAY 29	0.017 ON AUG 28	21 800	1977
1978	37.7 AT 03 00 MST ON JUL 12	25.4 ON JUL 12	0.0718 ON MAR 1	25 400	1978
1979	27.6 AT 00 30 MST ON APR 19	18.6 ON APR 18	0 B ON MAR 1	26 000	1979
1980	72.1 AT 01 45 MST ON JUN 28	57.2 ON JUN 28	0 B ON MAR 1	46 500	1980
1981	18.7 AT 21 00 MST ON MAR 14	12.7 B ON MAR 14	0.009 ON AUG 17	23 800	1981
1982	126 AT 10 50 MST ON JUL 5	116 ON JUL 5	0 B ON MAR 1	64 600	1982
1983	21.6 AT 01 45 MST ON JUL 3	15.6 ON JUL 3	0.020 ON OCT 1	22 700	1983
1984	---	8.88 ON JUN 9	0.003 ON AUG 16	12 400	1984
1985	78.9 AT 05 20 MST ON APR 2	88.9 ON APR 2	0.015E ON SEP 8	51 300	1985
1986	230 AT 12 21 MST ON JUL 18 *	185 ON JUL 18 *	0.025 ON OCT 11	55 900	1986
				31 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

STREET CREEK AT INTERNATIONAL BOUNDARY - STATION NO. 05AD031

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1947	--	---	---	---	---	---	---	---	---	0.750	---	0.028	---	1947
1948	0.020	0.017	0.014	0.202	1.59	2.17	0.850	0.242	0.038	0.022	0.014	0.014	0.417	1948
1949	0.014	0.014	0.015	0.456	1.58	1.02	0.288	0.074	0.172	0.111	0.199	0.118	0.338	1949
1950	0.028	0.017	0.046	0.091	1.09	3.29	1.31	0.284	0.089	0.349	0.241	0.114	0.576	1950
1951	0.042	0.059	0.037	0.184	1.67	1.68	1.58	0.326	0.598	0.495	0.114	0.098	0.575	1951
1952	0.041	0.018	0.011	0.531	1.31	0.993	0.425	0.234	0.073	0.031	0.013	---	---	1952
1953	---	---	---	---	1.40	2.71	1.22	0.234	0.104	0.034	0.090	---	---	1953
1954	---	---	---	---	1.86	1.75	1.23	0.352	0.232	0.415	0.205	---	---	1954
1955	---	---	---	---	0.699	2.21	0.958	0.155	0.057	0.431	---	---	---	1955
MEAN	0.029	0.025	0.025	0.289	1.37	1.98	0.955	0.235	0.188	0.293	0.125	0.074	0.477	MEAN

LOCATION - LAT 48 59 20 N DRAINAGE AREA, 14.0 km²
LONG 113 52 40 W NATURAL FLOW

INTERNATIONAL GAUGING STATION

STREET CREEK AT INTERNATIONAL BOUNDARY - STATION NO. 05AD031

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1947	---	---	---	---	1947
1948	---	---	---	13 200	1948
1949	2.86 AT 20:30 MST ON MAY 27	3.54 ON MAY 23 2.38 ON MAY 27	0.011 ON NOV 5 0.014 ON JAN 1	10 600	1949
1950	8.78E ON JUN 21	7.08E ON JUN 21 *	0.014E ON JAN 21	18 200	1950
1951	3.20 AT 20:30 MST ON JUL 1	3.06 ON JUN 26	0.028E ON JAN 21	18 100	1951
1952	---	2.27E ON MAY 20	0.008E ON NOV 25 *	---	1952
1953	12.4 AT 23:00 MST ON JUN 3 *	5.03 ON JUN 4	---	---	1953
1954	5.30E ON MAY 19	4.53E ON MAY 20	---	---	1954
1955	5.10E ON JUN 24	3.98E ON JUN 24	---	---	1955
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		15 000	MEAN

STREETER CREEK (MAIN STEM) NEAR NANTON - STATION NO. 05AB030

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	0.025	0.010	0.004	0.003	0.003	0.001	---	1966
1967	0.001	0.002	0.007	0.008	0.113	0.181	0.027	0.006	0.002	0.002	0.002	0.001	0.041	1967
1968	0.003	0.001	0.002	0.003	0.004	0.010	0.010	0.007	0.008	0.028	0.021	0.011	0.008	1968
1969	0.006	0.004	0.004	0.074	0.076	0.093	0.137	0.014	0.005	0.004	0.003	0.001	0.051	1969
1970	0	0	0	0.008	0.018	0.041	0.021	0.008	0.003	0.002	0.001	0	0.012	1970
1971	0	0	0.001	0.006	0.007	0.018	0.010	0.002	0.002	0.001	---	---	0.006	1971
1972	0	0	0.004	0.009	0.061	0.053	0.011	0.005	0.004	0.004	0.004	0.004	0.015	1972
1973	---	---	0.002	0.006	0.058	0.053	0.011	0.004	0.002	0.002	---	---	0.017	1973
1974	---	---	0.002	0.005	0.086	0.084	0.014	0.005	0.002	0.003	---	---	0.023	1974
1975	---	---	---	0.007	0.088	0.112	0.043	0.011	0.005	0.004	---	---	---	1975
1976	---	---	---	0.006	0.017	0.015	0.006	0.023	0.013	0.006	---	---	---	1976
1977	---	---	0.001	0.004	0.003	0.002	0.001	0.001	0.001	0.001	---	---	0.002	1977
1978	---	---	0.001	0.003	0.074	0.088	0.014	0.008	0.004	0.004	---	---	0.025	1978
1979	---	---	---	0.005	0.058	0.025	0.008	0.004	0.002	0.001	---	---	---	1979
1980	---	---	0.003	0.010	0.002	0.003	0.003	0.002	0.002	0.001	---	---	0.003	1980
1981	---	---	0.001	0.001	0.085	0.072	0.024	0.013	0.006	0.004	---	---	0.027	1981
1982	---	---	0.016	0.029	0.003	0.013	0.024	0.006	0.003	0.002	---	---	0.012	1982
1983	---	---	0.003	0.006	0.008	0.013	0.007	0.002	0.001	0.001	---	---	0.005	1983
1984	---	---	0.002	0.004	0.002	0.002	0	0	0	0	---	---	0.001	1984
1985	---	---	0.001	0.002	0	0	0	0	0.002	0.003	---	---	0.001	1985
1986	---	---	0.003	0.004	0.028	0.021	---	---	---	---	---	---	---	1986
MEAN	0.002	0.001	0.003	0.010	0.040	0.044	0.020	0.008	0.004	0.004	0.005	0.003	0.015	MEAN

LOCATION - LAT 50 07 24 N, LONG 114 03 20 W. DRAINAGE AREA, 5.86 km^2. NATURAL FLOW

STREETER CREEK (MAIN STEM) NEAR NANTON - STATION NO. 05AB030

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	---	---	---	1966
1967	0.311 AT 05:00 MST ON JUN 3	0.282 ON MAY 23	0.001 ON MAR 4	861	1967
1968	---	0.031 ON OCT 7	0.001 ON MAR 13	195	1968
1969	0.450 AT 20:30 MST ON JUN 30 *	0.402 ON JUN 30 *	0.003 ON MAR 24	1 080	1969
1970	---	0.086 ON JUN 30	---	---	1970
1971	0.040 AT 05:00 MST ON JUN 6	0.027 ON JUN 6	0 B ON MAR 1 *	252	1971
1972	0.183 AT 06:30 MST ON AUG 23	0.136 ON MAY 30	0 B ON MAR 1	125	1972
1973	0.119 AT 02:50 MST ON JUN 2	0.110 ON MAY 30	0 B ON MAR 1	388	1973
1974	0.283 AT 21:20 MST ON MAY 22	0.258 ON MAY 24	0.0018 ON MAR 1	383	1974
1975	0.232 AT 13:30 MST ON JUN 22	0.215 ON JUN 23	0 B ON MAR 1	480	1975
1976	0.255 AT 19:00 MST ON AUG 5	0.057 ON AUG 5	0 B ON APR 1	---	1976
1977	0.040 AT 17:30 MST ON JUL 7	0.013 ON APR 4	---	---	1977
1978	0.377 AT 10:30 MST ON JUN 1	0.303 ON JUN 1	0 ON JUL 24	41.0	1978
1979	0.208 AT 10:30 MST ON MAY 15	0.105 ON MAY 15	0 B ON MAR 1	539	1979
1980	0.1098 AT 14:30 MST ON APR 6	0.034 ON APR 14	---	---	1980
1981	0.372 AT 22:00 MST ON MAY 24	0.298 ON MAY 20	0 B ON MAR 10	68.5	1981
1982	0.193 AT 14:26 MST ON APR 10	0.153 ON APR 10	0 ON APR 18	569	1982
1983	0.180 AT 01:10 MST ON MAY 8	0.020 ON JUN 3	0 B ON MAR 1	264	1983
1984	0.009 AT 03:11 MST ON MAY 15	0.0058 ON APR 2	0.0018 ON MAR 1	103	1984
1985	0.037 AT 09:21 MST ON SEP 12	0.011 ON SEP 12	0 B ON MAR 1	23.6	1985
1986	---	---	---	20.2	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD	---	---	
				336	MEAN

STRETTON CREEK NEAR MARWAYNE - STATION NO. 05EE005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	---	---	---	---	---	---	---	---	1978
1979	---	---	0.009	0.491	0.010	0.004	0.080	0.180	0	0	---	---	0.097	1979
1980	---	---	0.001	0.346	0	0	0	0	0	0	---	---	0.042	1980
1981	---	---	0.493	0.092	0	0	0.062	0.010	0	0	---	---	0.083	1981
1982	---	---	0	0.151	0.007	0	0.012	0	0	0	---	---	0.021	1982
1983	---	---	0	0.182	0.003	0.001	0.001	0	0	0	---	---	0.023	1983
1984	---	---	0.450	0.462	0.003	0.008	0.001	0	0	0	---	---	0.115	1984
1985	---	---	0.293	0.289	0.008	0.003	0	0	0	0	---	---	0.071	1985
MEAN	---	---	0.178	0.285	0.004	0.002	0.022	0.029	0	0	---	---	0.085	MEAN

LOCATION - LAT 53 27 13 N DRAINAGE AREA, 82.1 km²
LONG 110 19 31 W NATURAL FLOW

STRETTON CREEK NEAR MARWAYNE - STATION NO. 05EE005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	---	---	---	---	1978
1979	3.70 AT 07 55 MST ON AUG 6 *	2.70 ON APR 19	0.0 ON MAR 1 *	2 050	1979
1980	1.78 AT 12 30 MST ON APR 5	1.18 R ON APR 6	0.0 ON MAR 1	889	1980
1981	2.94 AT 09 50 MST ON MAR 18	2.36 R ON MAR 28	0.0 ON MAR 1	1 750	1981
1982	---	0.6888 ON APR 22	0.0 ON MAR 1	444	1982
1983	---	0.9178 ON APR 4	0.0 ON MAR 1	484	1983
1984	---	4.40 R ON MAR 30 *	0.0 ON MAR 1	2 430	1984
1985	---	1.32 R ON MAR 21	0.0 ON MAR 1	1 510	1985
	R - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD R - REVISED SINCE JAN 1 1986		1 370	MEAN

STURGEON RIVER AT ST. ALBERT - STATION NO. 05EA002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1913	---	---	---	---	---	---	---	---	---	---	---	---	---	1913
1914	0.671	0.618	1.04	4.71	8.80 3.88	3.22 27.1	4.94 21.7	4.87	2.85	3.44 3.77	2.90 2.98	1.51 1.91	8.89	1914
1915	1.75	1.64	4.40	10.4	3.70	18.5	16.8	4.72	3.04	3.68	---	---	8.13	1915
1916	---	---	---	---	5.08	2.72	2.25	2.26	2.77	3.10	---	---	---	1916
1917	---	---	---	---	13.5	9.09	5.82	3.17	2.38	2.55	---	---	---	1917
1918	---	---	---	---	5.02	4.95	2.18	0.985	0.752	0.787	---	---	---	1918
1919	---	---	---	4.63	3.74	2.13	0.809	0.329	0.084	0.054	---	---	---	1919
1920	---	---	---	---	---	---	---	1.73	1.47	1.28	---	---	---	1920
1921	---	---	---	7.22	4.00	1.64	0.983	0.001	0	0	---	---	---	1921
1922	---	---	---	0.673	2.37	0.718	0.080	0.123	0.043	0.045	---	---	---	1922
1923	---	---	0	1.30	1.39	---	---	---	---	---	---	---	---	1923
1924	---	---	---	1.52	1.21	---	---	---	---	---	---	---	---	1924
1925	---	---	---	19.6	13.7	---	---	---	---	---	---	---	---	1925
1926	---	---	2.05	3.85	3.39	---	---	---	---	---	---	---	---	1926
1927	---	---	1.28	16.1	25.5	16.8	12.5	9.11	8.20	8.64	---	---	12.0	1927
1928	---	---	0.580	9.21	2.69	0.881	0.491	1.04	0.935	0.809	---	---	2.03	1928
1977	---	---	0.883	6.00	5.25	5.76	2.17	1.12	1.88	3.37	---	---	3.24	1977
1978	---	---	1.35	9.73	3.81	1.44	0.816	0.882	1.86	3.19	---	---	2.88	1978
1979	---	---	3.87	15.0	11.8	5.14	3.00	2.11	1.78	1.71	---	---	5.53	1979
1980	---	---	0.284	8.54	4.02	1.90	1.88	2.08	3.14	3.56	---	---	3.17	1980
1981	---	---	4.85	17.0	8.09	1.38	0.929	0.804	0.801	0.833	---	---	3.89	1981
1982	---	---	0.078	7.27	21.4	5.35	5.75	4.66	4.89	4.10	---	---	6.70	1982
1983	---	---	1.12	5.30	2.76	2.34	8.76	2.37	0.778	0.575	---	---	3.02	1983
1984	---	---	0.867	3.35	1.08	0.954	0.276	0.087	0.289	0.450	---	---	0.885	1984
1985	---	---	1.32	20.1	11.1	4.77	3.26	1.50	1.38	1.58	---	---	5.58	1985
1986	---	---	5.71	16.4	8.51	1.49	2.39	5.30	5.22	6.78	---	---	8.09	1986
MEAN	1.21	1.13	1.61	8.90	6.82	5.63	4.65	2.34	2.10	2.37	2.94	1.71	5.13	MEAN

LOCATION - LAT 53 36 05 N DRAINAGE AREA, 2 650 km²
LONG 113 37 33 W NATURAL FLOW

STURGEON RIVER AT ST. ALBERT - STATION NO. 05EA002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1913	---	---	---	---	1913
1914	---	42.2 ON JUN 16 *	0.793B ON MAR 1	184 000	1914
1915	---	27.2 ON JUN 18	1.61 B ON MAR 1	172 000	1915
1916	---	15.5 ON APR 16	---	---	1916
1917	---	25.0 ON APR 22	---	---	1917
1918	---	12.3 ON APR 12	---	---	1918
1919	---	8.218 ON APR 14	---	---	1919
1920	---	---	---	---	1920
1921	---	14.7 B ON APR 13	0 B ON JUL 26 *	---	1921
1922	---	3.45 ON MAY 4	0 ON JUL 14	---	1922
1923	---	3.118 ON APR 30	0 B ON MAR 1	---	1923
1924	---	4.058 ON APR 23	0 B ON APR 1	---	1924
1925	---	37.4 ON APR 24	0 B ON APR 1	---	1925
1926	---	5.64 ON APR 14	0.3408 ON MAR 1	---	1926
1927	---	30.8 ON MAY 13	0.9128 ON MAR 1	254 000	1927
1976	---	13.3 A ON APR 12	0.187 ON JUL 26	43 000	1976
1977	---	9.48 ON APR 13	0.4648 ON MAR 4	68 600	1977
1978	13.2 AT 14:00 MST ON APR 11	13.1 ON APR 11	0.547 ON AUG 14	80 400	1978
1979	18.0 AT 12:35 MST ON APR 28	17.9 ON APR 26	1.37 B ON MAR 1	117 000	1979
1980	14.8 AT 15:00 MST ON APR 15	14.7 ON APR 16	0.1628 ON MAR 6	67 000	1980
1981	23.4 AT 17:20 MST ON APR 4	23.3 ON APR 4	0.381 ON JUL 6	82 200	1981
1982	33.6 AT 11:15 MST ON APR 29 *	32.9 ON MAY 1	0.0288 ON APR 1	142 000	1982
1983	12.4 AT 21:50 MST ON JUL 6	11.8 ON JUL 3	0.400 ON OCT 21	63 800	1983
1984	---	5.298 ON APR 4	0.056 ON AUG 28	18 700	1984
1985	24.4 AT 15:10 MST ON APR 13	24.1 ON APR 13	0.4008 ON MAR 1	118 000	1985
1986	22.4 AT 19:16 MST ON APR 2	22.2 ON APR 3	0.666 ON JUL 1	129 000	1986
				109 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

STURGEON RIVER NEAR DARWELL - STATION NO. 05EA003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	0.302	3.36	2.93	1.44	1.47	1.21	---	---	---	1914
1915	---	---	---	0.770	0.630	4.39	2.45	1.43	1.26	1.09	---	---	1.71	1915
1928	---	---	---	---	2.49	1.25	0.837	0.296	0.217	0.204	---	---	---	1928
1929	---	---	---	0.408	0.471	0.151	0.034	0.002	0.003	0	---	---	0.152	1929
1930	---	---	---	0.155	0.207	0.303	0.236	0.023	0.022	0.030	---	---	0.140	1930
1931	---	---	---	---	---	---	---	---	---	---	---	---	---	1931
MEAN	---	---	---	0.444	0.820	1.85	1.30	0.638	0.594	0.507	---	---	0.667	MEAN

LOCATION - LAT 53 39 45 N, LONG 114 37 03 W
DRAINAGE AREA, 322 km^2
NATURAL FLOW

STURGEON RIVER NEAR DARWELL - STATION NO. 05EA003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	8.41 ON JUN 6 *	---	---	1914
1915	---	7.84 ON JUN 11	0.566 ON MAY 20	31 700	1915
1928	---	2.97 ON MAY 4	---	---	1928
1929	---	0.583 ON MAY 25	0 E ON AUG 10 *	2 820	1929
1930	---	0.566 ON JUN 30	0 ON AUG 24	2 580	1930
1931	---	---	0 B ON APR 1	---	1931
				12 400	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

STURGEON RIVER NEAR FORT SASKATCHEWAN - STATION NO 05EA001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	0.778	0.880	1.08	5.09	3.72	31.2	25.9	5.87	3.32	3.95	3.42	1.94	9.99	1914
1915	1.84	1.84	2.54	15.0	4.43	19.7	18.8	8.13	3.30	3.91	4.25	2.48	9.19	1915
1916	1.87	1.54	2.05	10.4	4.94	2.45	2.34	2.25	2.75	3.30	2.17	0.841	3.79	1916
1917	0.617	0.758	0.544	14.1	16.8	10.4	5.12	3.45	3.56	3.31	2.51	1.47	7.13	1917
1918	0.831	0.814	0.680	8.33	5.32	4.50	2.73	1.73	1.09	1.33	1.42	0.512	3.20	1918
1919	0.172	0.192	0.207	5.12	4.05	2.37	0.810	0.408	0.357	0.637	0.948	0.529	1.73	1919
1920	0.511	0.231	0.334	4.98	26.0	17.8	6.82	1.87	1.42	1.75	1.10	0.804	7.63	1920
1921	0.573	0.858	0.557	7.50	4.02	1.80	1.17	0.787	0.539	0.511	0.263	0.147	2.11	1921
1922	0.137	0.115	0.254	0.992	2.63	0.817	0.337	0.465	0.492	0.367	0.163	0.024	0.807	1922
1923	0.001	0	0.113	1.42	1.81	---	---	---	---	---	---	---	---	1923
1927	---	---	---	---	---	---	---	---	---	---	---	2.13	---	1927
1928	0.985	0.941	---	---	10.9	5.21	3.11	2.14	2.02	2.90	1.37	0.816	---	1928
1929	0.753	0.846	0.856	2.77	4.51	1.22	0.635	0.348	0.278	0.319	0.441	0.336	1.37	1929
1930	0.252	0.288	0.364	2.55	1.21	0.413	0.232	0.180	0.186	0.257	0.276	0.145	0.670	1930
1931	0.011	0.056	0.062	1.26	1.52	---	---	---	---	---	---	---	---	1931
1935	---	---	---	8.59	26.3	9.46	4.56	3.44	3.08	4.96	---	---	---	1935
1936	---	---	0.685	28.7	47.7	21.4	6.58	1.82	1.22	1.34	---	---	13.7	1936
1937	---	---	0.889	7.03	2.75	0.754	0.607	0.628	0.684	0.805	---	---	1.73	1937
1938	---	---	0.979	8.70	3.53	0.505	0.123	0.181	0.131	0.161	---	---	1.77	1938
1939	---	---	0.254	3.04	1.83	0.731	0.174	0.050	0.038	0.081	---	---	0.781	1939
1940	---	---	0.013	17.7	19.3	1.67	0.365	0.373	0.334	0.330	---	---	5.00	1940
1941	---	---	0.384	3.54	0.928	0.331	0.175	0.143	0.140	0.172	---	---	0.717	1941
1942	---	---	0.094	1.13	0.586	0.585	0.870	0.870	0.706	0.644	---	---	0.634	1942
1943	---	---	0.113	30.1	16.8	3.70	2.93	2.04	1.95	1.81	---	---	7.25	1943
1944	---	---	1.41	9.86	3.49	18.8	23.1	8.88	5.11	4.76	---	---	9.38	1944
1945	---	---	2.03	4.54	2.78	1.52	0.532	0.283	0.282	0.385	---	---	1.53	1945
1946	---	---	0.385	7.75	1.88	0.316	0.318	0.182	0.264	0.362	---	---	1.42	1946
1947	---	---	1.03	8.46	2.19	0.207	0.179	0.191	0.291	0.678	---	---	1.39	1947
1948	---	---	0.113	11.7	60.5	17.4	4.25	1.19	0.852	1.31	---	---	12.2	1948
1949	---	---	0.388	5.86	2.04	0.303	0.076	0.116	0.178	0.214	---	---	1.11	1949
1950	---	---	0.224	1.88	2.70	0.480	0.171	0.201	0.083	0.108	---	---	0.727	1950
1951	---	---	0.080	4.35	6.75	1.10	0.433	0.281	0.282	0.336	---	---	1.70	1951
1952	---	---	---	21.6	5.71	1.61	1.64	1.42	1.26	1.21	---	---	---	1952
1953	---	---	0.381	3.84	11.8	5.36	2.18	24.7	12.3	3.93	---	---	8.06	1953
1954	---	---	1.82	2.08	7.83	21.6	13.0	8.73	12.7	8.12	---	---	9.46	1954
1955	---	---	2.05	8.31	12.8	4.88	2.88	1.96	1.49	1.74	---	---	4.46	1955
1956	---	---	0.005	20.5	24.6	5.52	2.59	1.54	2.00	1.93	---	---	7.43	1956
1957	---	---	1.72	7.02	4.40	0.818	0.532	0.356	0.332	0.881	---	---	1.97	1957
1958	---	---	0.726	19.8	5.26	0.844	0.359	0.152	0.230	0.425	---	---	3.45	1958
1959	---	---	1.25	4.21	1.25	0.187	0.207	0.311	0.334	0.705	---	---	1.06	1959
1960	---	---	0.949	7.85	2.23	0.953	1.03	1.15	1.57	1.78	---	---	2.15	1960
1961	---	---	2.38	10.8	2.28	0.314	0.248	0.198	0.351	0.327	---	---	2.06	1961
1962	---	---	0.535	12.7	10.3	2.41	0.670	0.993	1.16	0.203	---	---	3.80	1962
1963	---	---	1.14	12.8	10.9	4.87	0.954	0.701	0.770	0.803	---	---	4.08	1963
1964	---	---	0.110	3.20	2.38	0.818	0.074	0.047	0.053	0.210	---	---	0.831	1964
1965	---	---	0.086	13.5	19.6	8.44	29.4	13.5	7.83	5.83	---	---	12.3	1965
1966	---	---	1.46	18.3	7.95	2.67	0.872	0.711	1.15	1.30	---	---	4.39	1966
1967	---	---	0	4.10	13.1	1.87	0.479	0.332	0.279	0.278	---	---	2.56	1967
1968	---	---	4.05	2.81	0.594	0.056	0.058	0.310	0.116	0.056	---	---	1.01	1968
1969	---	---	0	9.40	4.24	0.808	0.138	0.213	0.476	0.903	---	---	1.98	1969
1970	---	---	0.149	17.7	7.80	0.777	0.245	0.619	0.540	0.880	---	---	3.55	1970
1971	---	---	0.014	17.7	21.1	3.63	10.0	12.5	5.47	3.26	---	---	9.22	1971
1972	---	---	0.451	26.3	21.1	7.27	3.32	1.87	1.42	1.10	---	---	7.80	1972
1973	---	---	0.733	7.88	3.51	1.43	1.45	0.928	0.885	1.03	---	---	2.23	1973
1974	---	---	0.416	39.1	54.1	18.5	32.0	18.3	8.04	4.25	---	---	21.9	1974
1975	---	---	0.884	7.10	11.3	3.11	3.94	2.49	3.02	1.85	---	---	4.19	1975
1976	---	---	0.250	8.30	3.07	0.831	0.417	0.830	0.870	0.538	---	---	1.98	1976
1977	---	---	0.884	8.39	4.07	4.61	2.27	1.24	1.58	2.88	---	---	3.19	1977
1978	---	---	2.27	10.1	4.30	1.52	0.988	1.20	2.72	2.57	---	---	3.19	1978
1979	---	---	4.17	18.0	14.3	6.10	3.41	2.16	1.76	1.88	---	---	6.45	1979
1980	---	---	0.330	9.75	4.88	2.44	1.80	2.23	2.86	3.62	---	---	3.48	1980
1981	---	---	7.08	20.4	6.23	1.52	1.08	0.979	0.561	0.611	---	---	4.79	1981
1982	---	---	0.170	11.4	23.9	5.49	5.25	5.03	4.22	4.51	---	---	7.50	1982
1983	---	---	1.09	6.15	3.08	3.86	11.0	2.88	0.786	0.713	---	---	3.66	1983
1984	---	---	1.02	4.08	1.19	1.61	0.313	0.124	0.227	0.586	---	---	1.13	1984
1985	---	---	2.83	24.1	12.1	3.02	0.980	1.23	1.81	1.27	---	---	5.82	1985
1986	---	---	7.38	17.9	7.45	1.80	2.72	4.78	4.54	6.01	---	---	6.55	1986
MEAN	0.638	0.812	1.06	10.5	9.76	4.83	3.93	2.54	1.88	1.70	1.52	0.936	4.53	MEAN

LOCATION - LAT 53 47 14 N DRAINAGE AREA, 3 350 km²
LONG 113 13 23 W NATURAL FLOW

STURGEON RIVER NEAR FORT SASKATCHEWAN - STATION NO. 05EA001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	51.8 ON JUN 22	0.9068 ON MAR 9	212 000	1914
1915	---	30.6 ON JUN 23	1.56 B ON MAR 3	195 000	1915
1916	---	17.0 B ON APR 18	1.56 ON JUN 22	80 100	1916
1917	---	31.4 ON APR 24	0.3788 ON MAR 14	151 000	1917
1918	---	16.4 B ON APR 14	0.5388 ON MAR 5	67 700	1918
1919	---	10.8 B ON APR 15	0.1448 ON MAR 1	36 800	1919
1920	---	28.9 ON MAY 14	0.1428 ON MAR 1	161 000	1920
1921	---	17.0 B ON APR 13	0.436 ON OCT 19	44 800	1921
1922	---	3.828 ON APR 29	0.1428 ON MAR 1	17 100	1922
1923	---	3.208 ON MAY 4	0 B ON MAR 1 *	---	1923
1927	---	---	---	---	1927
1928	---	---	---	---	1928
1929	---	8.69 ON APR 27	0.212 ON SEP 19	29 000	1929
1930	---	4.36 ON APR 15	0.0988 ON OCT 19	14 200	1930
1931	---	---	0 B ON MAR 12	---	1931
1935	---	32.8 ON MAY 4	---	---	1935
1936	---	58.0 ON APR 25	0.1138 ON MAR 4	291 000	1936
1937	---	8.238 ON APR 17	0 B ON MAR 12	36 800	1937
1938	---	20.3 ON APR 16	0.051 ON AUG 1	37 500	1938
1939	---	5.24 ON APR 22	0.020 ON SEP 8	16 500	1939
1940	---	47.3 ON APR 21	0 B ON MAR 8	106 000	1940
1941	---	12.8 B ON APR 11	0.0288 ON MAR 1	15 200	1941
1942	---	3.998 ON APR 22	0.0288 ON MAR 8	13 400	1942
1943	---	54.4 ON APR 15	0.0288 ON MAR 1	153 000	1943
1944	---	38.5 ON JUN 28	0.3118 ON MAR 1	198 000	1944
1945	---	5.478 ON APR 9	0.122 ON AUG 16	32 400	1945
1946	---	13.7 ON APR 12	0.102 ON AUG 3	30 000	1946
1947	---	10.5 ON APR 16	0.093 ON JUL 8	28 400	1947
1948	---	89.8 ON MAY 7	0.1138 ON MAR 1	258 000	1948
1949	---	13.6 ON APR 13	0.034 ON JUL 15	23 500	1949
1950	---	5.74 ON APR 24	0 ON SEP 10	15 400	1950
1951	---	11.4 ON MAY 3	0 B ON MAR 3	38 000	1951
1952	---	28.4 ON APR 15	---	---	1952
1953	---	33.4 ON AUG 14	0.2278 ON MAR 11	170 000	1953
1954	31.1 AT 04:00 MST ON JUN 18	28.9 ON JUN 19	0.6238 ON APR 8	200 000	1954
1955	---	18.3 B ON APR 12	0.8508 ON MAR 4	94 500	1955
1956	---	51.3 ON APR 30	0 B ON MAR 1	157 000	1956
1957	---	14.0 B ON APR 19	0.0858 ON MAR 1	41 700	1957
1958	63.7 B AT 17:00 MST ON APR 7 *	42.2 B ON APR 7	0.042 ON SEP 12	73 000	1958
1959	15.0 B AT 10:30 MST ON APR 4	13.5 B ON APR 4	0.0288 ON MAR 1	22 200	1959
1960	---	14.1 B ON APR 10	0 B ON MAR 1	45 500	1960
1961	20.8 B AT 11:15 MST ON MAR 30	18.9 B ON MAR 30	0.048 ON JUL 14	43 700	1961
1962	---	25.2 ON APR 23	0.020 ON OCT 10	75 200	1962
1963	---	17.6 ON APR 24	0.241 ON OCT 31	86 400	1963
1964	---	10.6 B ON APR 21	0 B ON MAR 1	17 800	1964
1965	---	37.1 ON JUL 11	0.0288 ON MAR 1	280 000	1965
1966	---	36.8 ON APR 6	0.439 ON JUL 27	92 900	1966
1967	---	22.4 B ON MAY 1	0 B ON MAR 1	54 200	1967
1968	---	8.528 ON MAR 14	0.006 ON JUN 10	21 400	1968
1969	---	18.4 B ON APR 11	0 B ON MAR 1	41 900	1969
1970	---	27.3 ON APR 19	0.0858 ON MAR 1	75 200	1970
1971	---	51.0 ON APR 28	0.0118 ON MAR 21	195 000	1971
1972	---	44.5 ON APR 22	0.1568 ON MAR 1	185 000	1972
1973	---	12.1 B ON APR 11	0.1228 ON MAR 1	47 200	1973
1974	---	115 ON APR 27 *	0.3968 ON MAR 1	462 000	1974
1975	---	21.1 ON APR 25	0.5838 ON MAR 1	88 700	1975
1976	---	13.5 B ON APR 8	0.0598 ON MAR 1	42 200	1976
1977	---	21.7 B ON APR 10	0.6568 ON MAR 1	87 500	1977
1978	---	21.0 B ON APR 11	0.883 ON JUL 23	87 500	1978
1979	---	32.3 B ON APR 16	1.67 ON SEP 8	137 000	1979
1980	---	15.7 B ON APR 15	0.2828 ON MAR 1	73 800	1980
1981	29.8 AT 12:30 MST ON APR 3	29.5 ON APR 3	0.413 ON SEP 2	102 000	1981
1982	51.9 AT 21:00 MST ON APR 23	42.1 ON APR 24	0.1208 ON MAR 30	159 000	1982
1983	22.0 AT 03:50 MST ON JUL 7	17.7 ON JUL 7	0.358 ON SEP 25	77 500	1983
1984	8.52 AT 03:00 MST ON APR 6	8.418 ON APR 6	0.029 ON SEP 5	24 000	1984
1985	43.4 B AT 06:00 MST ON APR 8	33.7 B ON APR 8	0.2918 ON MAR 1	123 000	1985
1986	---	27.4 B ON APR 1	0.838 ON JUL 1	139 000	1986
				95 800	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

STURGEON RIVER NEAR MAGNOLIA BRIDGE - STATION NO. 05EA010

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	---	---	---	---	---	0.144	0.045	0.090	---	---	---	1981
1982	---	---	0	2.85	0.805	0.058	2.63	0.138	0.103	0.070	---	---	0.818	1982
1983	---	---	0.031	1.44	0.108	0.172	0.776	0.035	0.015	0.055	---	---	0.327	1983
1984	---	---	0.374	0.209	0.864	0.443	0.017	0.004	0.078	0.090	---	---	0.280	1984
1985	---	---	0.349	3.21	0.191	0.273	0.038	0.023	0.051	0.025	---	---	0.512	1985
1986	---	---	0.885	0.582	0.541	0.055	2.47	0.087	0.026	0.121	---	---	0.598	1986
MEAN	---	---	0.328	1.67	0.461	0.200	1.19	0.072	0.053	0.075	---	---	0.503	MEAN

LOCATION - LAT 53 35 28 N LONG 114 51 35 W DRAINAGE AREA, 121 km^2 NATURAL FLOW

STURGEON RIVER NEAR MAGNOLIA BRIDGE - STATION NO. 05EA010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	---	---	---	---	1981
1982	22.9 AT 01:50 MST ON JUL 5	18.9 ON JUL 5	0 B ON MAR 1 *	17 300	1982
1983	6.76 AT 19:25 MST ON APR 8	4.738 ON APR 2	0.0028 ON MAR 1	6 920	1983
1984	4.28 AT 13:35 MST ON MAY 17	3.33 ON MAY 17	0 ON SEP 2	5 500	1984
1985	12.6 B AT 15:30 MST ON APR 3	8.378 ON APR 2	0 ON AUG 7	10 800	1985
1986	60.0 AT 05:45 MST ON JUL 18 *	36.6 ON JUL 18 *	0.001 ON JUN 26	12 700	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		10 800	MEAN

STURGEON RIVER NEAR ONOWAY - STATION NO. 05EA004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	1.43	3.81	2.18	1.28	1.57	2.19	---	---	---	1914
1915	---	---	---	2.63	1.98	3.07	1.84	1.57	2.14	2.92	---	---	2.30	1915
1928	---	---	---	---	4.05	2.83	2.13	1.05	0.611	0.480	---	---	---	1928
1929	---	---	---	0.670	0.898	0.531	0.192	0.003	0	0	---	---	0.327	1929
1930	---	---	---	0.012	0.009	0.018	0.014	---	---	---	---	---	---	1930
1931	---	---	---	0.050	---	---	---	---	---	---	---	---	---	1931
MEAN	---	---	---	0.841	1.68	2.01	1.27	0.981	1.68	1.38	---	---	1.31	MEAN

LOCATION - LAT 53 43 58 N, LONG 114 16 17 W. DRAINAGE AREA, 738 km^2. NATURAL FLOW

STURGEON RIVER NEAR ONOWAY - STATION NO. 05EA004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	13.6 ON JUN 9 *	---	---	1914
1915	---	5.68 ON JUN 10	1.42 ON AUG 10	42 600	1915
1928	---	4.59 ON MAY 5	---	---	1928
1929	---	1.58 ON MAY 25	0 ON AUG 9 *	6 040	1929
1930	---	0.085 ON JUN 28	0 B ON APR 1	---	1930
1931	---	---	0 ON APR 1	---	1931
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		24 300	MEAN

STURGEON RIVER NEAR VILLENEUVE - STATION NO. 05EA005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	2.18	22.6	9.28	2.44	2.47	3.16	---	---	---	1914
1915	---	---	---	---	2.50	21.0	7.47	2.86	2.87	3.53	---	---	---	1915
1928	---	---	---	---	7.87	2.70	2.47	1.16	0.981	0.888	---	---	---	1928
1929	---	---	---	---	---	0.812	0.485	0.247	0.127	0.195	---	---	---	1929
1930	---	---	---	1.29	0.450	0.412	0.615	0.245	0.174	0.185	---	---	---	1930
1968	---	---	---	---	0.071	0.078	0.020	0.019	---	---	---	---	---	1968
1969	---	---	0.052	7.73	0.311	0.046	0.021	1.16	1.23	0.430	---	---	---	1969
1970	---	---	0.085	13.5	0.438	0.292	0.737	1.04	0.109	0.123	---	---	---	1970
1971	---	---	0.181	24.0	2.24	0.930	15.4	4.42	2.94	2.81	1.90	1.49	---	1971
1972	0.722	0.811	1.48	24.2	8.36	3.90	1.60	0.830	0.838	0.629	0.415	0.196	3.64	1972
1973	0.059	0.040	0.796	3.14	1.14	1.43	1.52	0.849	0.535	0.574	0.452	0.302	0.888	1973
1974	0.312	0.250	0.231	44.5	25.5	12.7	28.8	5.64	3.28	1.82	1.23	0.778	10.4	1974
1975	0.623	0.780	0.701	5.73	3.59	2.05	3.74	1.51	2.86	0.962	0.582	0.220	2.03	1975
1976	0.345	0.555	0.641	5.98	1.44	0.823	0.422	0.789	0.418	0.157	0.230	0.182	0.975	1976
1977	0.193	0.276	0.388	3.78	3.53	4.35	1.33	1.35	2.35	2.89	1.55	1.08	1.93	1977
1978	1.03	0.990	2.48	4.79	2.04	1.78	0.879	0.796	2.67	1.22	2.15	2.68	1.85	1978
1979	2.12	1.85	4.24	10.1	5.44	3.86	2.99	2.28	1.29	1.05	0.549	0.329	3.09	1979
1980	0.315	0.413	0.464	5.08	1.56	2.31	1.99	2.32	2.51	1.83	1.32	1.09	1.84	1980
1981	1.05	1.04	7.40	8.07	1.87	1.08	0.787	0.821	0.202	0.429	0.292	0.184	1.94	1981
1982	0.187	0.330	0.501	16.4	8.57	2.53	8.83	2.55	3.45	2.91	1.52	1.25	3.93	1982
1983	1.04	0.892	1.22	2.57	1.54	6.53	3.18	0.755	0.369	0.188	0.176	0.173	1.55	1983
1984	0.163	0.177	1.15	1.00	1.11	1.05	0.154	0.020	0.209	0.438	0.557	0.544	0.548	1984
1985	0.506	0.668	3.10	18.1	5.11	4.07	1.88	0.784	0.430	0.140	0.352	0.314	2.95	1985
1986	0.552	0.586	5.91	6.32	3.69	1.64	7.01	3.69	2.91	3.83	2.37	1.58	3.70	1986
MEAN	0.620	0.644	1.95	11.0	3.97	4.12	4.18	1.60	1.53	1.32	0.977	0.776	2.76	MEAN

LOCATION - LAT 53 39 18 N, LONG 113 45 42 W. DRAINAGE AREA, 1 910 km^2. NATURAL FLOW

STURGEON RIVER NEAR VILLENEUVE - STATION NO. 05EA005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	40.6 E ON JUN 12	---	---	1914
1915	---	50.7 ON JUN 13	---	---	1915
1928	---	10.5 E ON MAY 9	---	---	1928
1929	---	---	---	---	1929
1930	---	1.988 ON APR 8	---	---	1930
1968	---	---	0 ON JUN 5 *	---	1968
1969	---	33.1 B ON APR 12	---	---	1969
1970	54.9 AT 00:49 MST ON APR 11	48.4 ON APR 11	---	---	1970
1971	100 AT 22:30 MST ON APR 21	86.0 ON APR 21	---	---	1971
1972	59.7 AT 21:30 MST ON APR 15	58.9 ON APR 16	0.1028 ON DEC 31	115 000	1972
1973	12.78 AT 04:00 MST ON APR 2	9.348 ON APR 2	0.0288 ON MAR 11	28 000	1973
1974	138 AT 15:40 MST ON APR 21 *	136 ON APR 22 *	0.1428 ON MAR 31	329 000	1974
1975	---	25.5 B ON APR 22	0.1428 ON DEC 17	83 900	1975
1976	---	15.9 A ON APR 8	0.085 ON OCT 16	30 800	1976
1977	15.8 AT 09:00 MST ON APR 9	15.1 ON APR 9	0.1878 ON JAN 10	81 000	1977
1978	13.38 AT 09:40 MST ON APR 4	10.8 B ON APR 4	0.391 ON AUG 26	61 700	1978
1979	18.6 AT 02:15 MST ON APR 24	18.5 ON APR 23	0.2768 ON DEC 31	97 400	1979
1980	39.5 AT 04:10 MST ON APR 13	30.4 B ON APR 13	0.2568 ON JAN 8	58 300	1980
1981	---	33.6 ON MAR 30	0.034 ON SEP 19	61 000	1981
1982	77.6 AT 16:30 MST ON APR 26	77.2 ON APR 26	0.1408 ON JAN 1	124 000	1982
1983	28.9 IN JUN	29.0 E ON JUN 26	0.122 ON OCT 1	48 800	1983
1984	---	4.759 ON MAR 28	0.003 ON OCT 2	17 300	1984
1985	37.5 AT 15:48 MST ON APR 5	37.1 ON APR 5	0.011 ON OCT 4	93 200	1985
1986	47.48 AT 19:10 MST ON MAR 27	42.2 B ON MAR 27	0.4288 ON JAN 1	117 000	1986
				87 100	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SUNDANCE CREEK NEAR BICKERDIKE - STATION NO. 07AF010

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	---	0.736	0.884	---	---	---	1972
1973	---	---	0.377	1.51	3.26	2.01	0.798	0.587	0.507	0.717	---	---	1.22	1973
1974	---	---	0.442	1.71	5.24	1.34	1.36	0.873	0.553	0.463	---	---	1.48	1974
1975	---	---	0.220	0.561	1.09	0.902	1.67	0.389	0.230	0.217	---	---	0.849	1975
1976	---	---	0.211	1.15	0.600	0.525	0.431	1.02	0.548	0.352	---	---	0.603	1976
1977	---	---	0.208	0.754	3.15	1.88	1.83	1.39	2.28	1.89	---	---	1.81	1977
1978	---	---	0.435	1.29	1.82	3.00	2.07	1.32	2.05	0.890	---	---	1.82	1978
1979	---	---	0.308	0.612	1.83	2.00	2.78	1.24	0.328	0.578	---	---	1.19	1979
1980	---	---	0.329	1.66	1.19	5.21	2.27	1.27	1.30	0.796	---	---	1.74	1980
1981	---	---	0.421	0.771	1.49	1.11	0.470	0.488	0.344	0.358	---	---	0.681	1981
1982	---	---	0.152	0.480	3.79	1.26	5.54	2.86	1.61	1.31	---	---	2.26	1982
1983	---	---	0.231	0.783	0.785	1.28	2.37	0.867	0.355	0.388	---	---	0.852	1983
1984	---	---	0.316	1.20	2.07	0.873	0.326	0.127	2.04	0.758	---	---	0.958	1984
1985	---	---	0.368	1.34	1.77	1.46	0.628	0.613	0.785	0.784	---	---	0.984	1985
1986	---	---	0.310	0.852	1.97	1.50	3.11	0.487	0.789	1.25	---	---	1.28	1986
MEAN	---	---	0.308	1.06	2.13	1.74	1.88	0.937	0.962	0.758	---	---	1.22	MEAN

LOCATION - LAT 53 33 58 N, LONG 116 42 12 W
DRAINAGE AREA, 186 km^2
NATURAL FLOW

SUNDANCE CREEK NEAR BICKERDIKE - STATION NO. 07AF010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	---	---	---	1972
1973	5.55 AT 23:50 MST ON MAY 29	5.30 ON MAY 29	0.3378 ON MAR 17	25 900	1973
1974	10.0 AT 04:00 MST ON MAY 14	9.71 ON MAY 14	0.3408 ON MAR 1	31 200	1974
1975	5.81 AT 10:30 MST ON JUL 1	5.52 ON JUL 1	0.184 ON SEP 15	13 700	1975
1976	2.94 AT 10:50 MST ON APR 13	2.34 ON APR 13	0.1788 ON MAR 8	12 800	1976
1977	5.95 AT 19:50 MST ON MAY 8	5.66 ON MAY 8	0.1848 ON MAR 22	34 100	1977
1978	8.52 AT 11:00 MST ON JUN 17	8.35 ON JUN 17	0.3838 ON MAR 1	34 200	1978
1979	8.13 AT 04:40 MST ON JUL 15	8.08 ON JUL 15	0.2208 ON MAR 1	25 100	1979
1980	9.86 AT 19:00 MST ON JUN 27	9.64 ON JUN 27	0.2618 ON MAR 1	36 800	1980
1981	2.24 AT 11:25 MST ON JUN 2	2.21 ON JUN 2	0.248 ON AUG 24	14 400	1981
1982	17.3 AT 12:00 MST ON JUL 15 *	15.4 ON JUL 8 *	0.1108 ON MAR 1	47 800	1982
1983	4.34 AT 23:40 MST ON JUL 4	4.20 ON JUL 5	0.1858 ON MAR 1	18 000	1983
1984	5.40 AT 18:10 MST ON SEP 23	5.30 ON SEP 23	0.084 ON AUG 21 *	20 300	1984
1985	4.49 AT 09:41 MST ON JUN 27	4.41 ON JUN 27	0.2708 ON MAR 11	30 400	1985
1986	9.57 AT 07:14 MST ON JUL 20	9.23 ON JUL 20	0.161 ON AUG 17	27 200	1986
				25 900	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SUNWAPTA RIVER AT ATHABASCA GLACIER - STATION NO 07AA001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1949	---	---	---	---	---	2.01	4.52	4.40	---	---	---	---	---	1949
1950	---	---	---	---	---	---	5.95	4.61	2.28	---	---	---	---	1950
1951	---	---	---	---	---	1.04	5.86	3.61	1.36	---	---	---	---	1951
1952	---	---	---	---	---	1.05	1.86	2.97	2.08	---	---	---	---	1952
1953	---	---	---	---	---	2.02	4.92	4.55	1.88	0.463	---	---	---	1953
1954	---	---	---	---	---	1.89	4.32	3.63	1.57	0.242	---	---	---	1954
1955	---	---	---	---	---	1.57	5.13	4.57	2.33	---	---	---	---	1955
1956	---	---	---	---	0.403	2.85	5.01	5.09	2.20	---	---	---	---	1956
1957	---	---	---	---	---	1.02	1.92	2.97	2.10	---	---	---	---	1957
1958	---	---	---	---	0.787	1.38	5.00	5.75	1.87	0.371	---	---	2.54	1958
1959	---	---	---	---	---	1.85	4.76	3.09	1.19	---	---	---	---	1959
1960	---	---	---	---	0.136	1.52	5.83	3.85	1.48	0.321	---	---	2.20	1960
1961	---	---	---	---	0.440	4.09	5.41	5.82	1.35	0.641	---	---	2.83	1961
1962	---	---	---	---	---	2.16	4.08	4.04	1.34	0.350	---	---	---	1962
1963	---	---	---	---	---	---	4.59	4.71	3.79	0.945	---	---	---	1963
1964	---	---	---	---	---	---	5.84	3.28	1.21	0.527	---	---	---	1964
1965	---	---	---	---	---	2.44	4.57	5.93	0.591	0.345	---	---	---	1965
1966	---	---	---	---	0.461	2.00	4.49	4.31	3.06	0.574	---	---	2.60	1966
1967	---	---	---	---	---	2.48	4.83	5.31	3.95	0.534	---	---	---	1967
1968	---	---	---	---	0.178	1.94	4.55	3.47	1.83	0.366	---	---	2.08	1968
1969	---	---	---	---	---	3.46	4.08	4.28	1.75	---	---	---	---	1969
1970	---	---	---	---	---	3.82	5.77	5.07	1.17	0.298	---	---	---	1970
1971	---	---	---	---	0.295	2.01	4.02	5.10	1.50	0.508	---	---	2.41	1971
1972	---	---	---	---	---	2.88	3.45	5.38	1.38	0.340	---	---	---	1972
1973	---	---	---	---	---	1.91	---	3.73	1.85	0.227	---	---	---	1973
1974	---	---	---	---	0.146	2.02	3.78	4.19	1.74	0.515	---	---	2.09	1974
1975	---	---	---	---	0.188	1.23	5.43	3.23	1.22	0.273	---	---	2.10	1975
1976	---	---	---	---	---	1.17	3.99	---	---	0.418	---	---	---	1976
1977	---	---	---	---	0.218	2.83	3.67	4.35	0.887	0.108	---	---	2.01	1977
1978	---	---	---	---	0.147	2.33	5.80	4.12	2.88	0.340	---	---	2.58	1978
1979	---	---	---	---	0.277	2.01	5.09	4.73	2.41	0.680	---	---	2.85	1979
1980	---	---	---	---	0.927	2.55	4.40	2.84	1.45	0.758	---	---	2.18	1980
1981	---	---	---	---	0.925	1.48	4.90	5.44	2.53	0.180	---	---	2.75	1981
1982	---	---	---	---	0.174	3.10	4.83	4.25	2.83	0.389	---	---	2.59	1982
1983	---	---	---	---	0.415	2.80	4.29	4.89	1.02	0.278	---	---	2.25	1983
1984	---	---	---	---	0.104	2.43	4.35	5.06	1.52	0.829	---	---	2.38	1984
1985	---	---	---	---	0.884	1.86	5.76	3.81	0.681	0.103	---	---	2.09	1985
1986	---	---	---	---	0.849	3.87	3.87	4.37	1.25	0.340	---	---	2.42	1986
MEAN	---	---	---	---	0.407	2.18	4.66	4.38	1.82	0.430	---	---	2.37	MEAN

LOCATION - LAT 52 13 00 N DRAINAGE AREA 28.8 km²
LONG 117 13 57 W NATURAL FLOW

SUNWAPTA RIVER AT ATHABASCA GLACIER - STATION NO 07AA001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1949	13.5 AT 18 00 MST ON JUL 15	9.08 ON JUL 16	---	---	1949
1950	12.2 AT 17 00 MST ON JUL 26	9.29 ON JUL 26	---	---	1950
1951	11.8 AT 16 20 MST ON JUL 18	9.40 ON JUL 18	---	---	1951
1952	7.25 AT 21 00 MST ON AUG 13	5.49 ON AUG 13	---	---	1952
1953	13.6 AT 18 00 MST ON JUL 14	11.9 ON JUL 14	---	---	1953
1954	8.30 AT 17 00 MST ON JUL 19	6.85 ON JUL 19	---	---	1954
1955	15.3 AT 19 00 MST ON JUL 17 *	12.0 ON JUL 18 *	---	---	1955
1956	12.5 AT 09 30 MST ON JUL 24	9.91 ON JUL 22	---	---	1956
1957	6.68 AT 20 00 MST ON SEP 6	5.66 ON SEP 7	---	---	1957
1958	10.8 AT 18 00 MST ON JUL 21	9.12 ON JUL 22	0.1138 ON MAY 1	40 300	1958
1959	11.6 AT 17 00 MST ON JUL 24	10.2 ON JUL 24	---	---	1959
1960	10.9 AT 17 00 MST ON JUL 19	8.78 ON JUL 19	0.0288 ON MAY 1	34 900	1960
1961	10.9 AT 17 00 MST ON JUL 21	9.34 ON JUL 21	0 B ON MAY 1 *	46 800	1961
1962	8.35 AT 17 00 MST ON AUG 1	6.71 ON JUL 26	---	---	1962
1963	10.3 AT 18 00 MST ON AUG 13	8.88 ON AUG 13	---	---	1963
1964	10.2 AT 21 00 MST ON JUL 13	8.84 ON JUL 19	---	---	1964
1965	---	8.58 ON AUG 10	---	---	1965
1966	8.95 AT 18 00 MST ON JUL 30	7.58 ON JUL 30	0.0428 ON MAY 1	39 700	1966
1967	8.52 AT 18 30 MST ON AUG 13	8.04 ON SEP 2	---	---	1967
1968	9.83 AT 04 15 MST ON JUN 27	8.95 ON JUL 12	0 B ON MAY 1	33 000	1968
1969	7.76 AT 15 44 MST ON JUL 24	6.31 ON AUG 21	---	---	1969
1970	9.83 AT 17 20 MST ON JUL 18	8.55 ON JUL 6	---	---	1970
1971	11.3 AT 16 25 MST ON AUG 2	9.37 ON AUG 8	0.0148 ON MAY 13	38 300	1971
1972	10.1 AT 17 30 MST ON AUG 9	8.33 ON AUG 9	---	---	1972
1973	---	---	---	---	1973
1974	10.1 AT 16 20 MST ON AUG 5	8.47 ON AUG 5	0.0488 ON MAY 6	33 100	1974
1975	12.3 AT 17 30 MST ON JUL 11	10.7 ON JUL 28	0 0288 ON MAY 1	33 400	1975
1976	7.93 AT 18 00 MST ON AUG 6	6.77 ON AUG 3	---	---	1976
1977	8.04 AT 16 00 MST ON AUG 13	6.88 ON AUG 12	0 0252 ON MAY 1	32 000	1977
1978	11.8 AT 15 30 MST ON SEP 4	11.1 ON SEP 4	0 0188 ON MAY 1	41 100	1978
1979	10.3 AT 18 00 MST ON JUL 20	8.28 ON JUL 21	0 074 ON MAY 12	40 900	1979
1980	10.3 AT 18 05 MST ON JUL 23	8.45 ON JUL 23	0 134 ON OCT 30	34 300	1980
1981	11.8 AT 16 10 MST ON AUG 15	9.92 ON AUG 12	0 1008 ON OCT 30	43 800	1981
1982	12.2 AT 13 50 MST ON SEP 9	10.5 ON SEP 9	0 0209 ON MAY 1	41 200	1982
1983	11.7 AT 18 15 MST ON JUL 12	9.39 ON JUL 12	0 0528 ON MAY 1	35 800	1983
1984	10.2 AT 17 50 MST ON JUL 28	8.18 ON JUL 28	0 0248 ON MAY 1	37 900	1984
1985	10.3 AT 17 10 MST ON JUL 21	7.89 ON JUL 21	0 0308 ON MAY 1	33 300	1985
1986	8.28 AT 17 15 MST ON AUG 11	6.30 ON JUL 2	0 0808 ON MAY 1	38 500	1986
				37 600	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SWAN RIVER NEAR KINUSO - STATION NO 07BJ001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	25.9	22.2	5.39	3.80	3.04	---	---	---	1915
1916	---	---	---	---	26.7	33.5	33.0	4.24	2.01	3.12	---	---	---	1916
1917	---	---	---	---	167	14.9	5.36	7.13	1.26	1.32	---	---	---	1917
1961	---	---	---	---	---	---	57.0	3.86	1.83	2.83	---	---	---	1961
1962	---	---	0.317	35.2	70.9	22.7	37.6	6.32	5.50	4.23	---	---	---	1962
1963	---	---	0.640	50.6	66.3	21.6	16.9	16.4	9.16	2.10	---	---	---	1963
1965	---	---	0.756	18.6	47.9	40.6	22.0	37.4	34.0	8.08	---	---	---	1965
1966	---	---	0.603	16.6	36.7	12.6	10.5	16.1	7.18	2.79	---	---	---	1966
1967	---	---	0.585	3.39	50.1	15.1	3.14	1.99	0.675	0.815	---	---	---	1967
1968	---	---	0.830	5.32	22.2	32.2	9.02	8.20	7.61	5.34	---	---	---	1968
1969	---	---	0.355	26.3	14.0	3.81	4.91	6.30	30.9	13.4	---	---	---	1969
1970	---	---	0.809	21.2	38.6	23.1	26.5	6.73	6.07	5.82	4.10	1.27	---	1970
1971	0.778	0.627	1.13	37.3	24.0	80.4	76.6	9.74	3.54	3.03	1.63	0.803	20.0	1971
1972	0.486	0.407	1.10	18.0	64.3	61.1	18.4	11.0	6.85	7.89	3.18	1.34	15.3	1972
1973	1.31	0.497	0.916	14.1	54.3	50.7	16.6	17.0	6.04	9.61	5.18	2.13	15.1	1973
1974	1.23	1.28	0.977	53.2	71.4	12.6	37.7	7.64	7.29	4.99	2.90	1.43	17.1	1974
1975	1.08	0.856	0.790	14.2	28.4	47.7	34.8	25.2	19.5	6.72	2.79	0.802	18.2	1975
1976	0.847	1.27	0.922	33.6	21.4	37.1	37.1	84.6	21.9	8.59	4.37	1.92	18.7	1976
1977	1.51	1.76	1.54	31.3	63.7	33.5	44.0	6.84	7.36	7.76	2.12	0.886	16.1	1977
1978	0.437	0.325	0.617	22.5	33.0	29.0	11.9	9.31	42.6	8.69	3.61	2.10	13.7	1978
1979	0.835	0.780	1.83	12.9	73.8	62.4	73.2	8.54	3.10	2.38	1.34	0.702	20.3	1979
1980	0.416	0.183	0.149	14.2	16.4	17.6	15.0	16.8	37.4	7.66	3.37	0.916	10.0	1980
1981	0.953	1.11	1.67	17.7	20.9	26.0	13.9	2.37	1.83	2.65	1.85	0.424	7.46	1981
1982	0.201	0.213	0.137	8.22	47.1	7.52	30.7	30.9	4.04	2.47	0.817	0.387	11.2	1982
1983	0.178	0.134	0.163	5.42	7.57	59.0	98.9	13.6	6.14	6.07	5.07	0.896	17.2	1983
1984	0.431	0.530	1.08	10.3	25.8	45.8	14.2	9.86	14.8	5.87	2.86	1.44	11.0	1984
1985	0.388	0.243	1.59	28.7	56.0	26.2	5.19	3.85	29.5	20.6	3.35	0.782	14.6	1985
1986	1.11	0.875	2.48	17.7	52.1	18.2	64.8	12.6	5.19	15.6	5.06	2.20	16.7	1986
MEAN	0.762	0.681	0.911	21.5	45.6	31.0	28.8	13.3	11.9	8.25	3.11	1.19	15.0	MEAN

LOCATION - LAT 55 19 00 N DRAINAGE AREA, 1 800 km²
LONG 115 24 30 W NATURAL FLOW

SWAN RIVER NEAR KINUSO - STATION NO 07BJ001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1915	---	68.0 ON JUN 4	---	---	1915
1916	---	85.0 ON JUL 7	---	---	1916
1917	---	493 ON MAY 17 *	---	---	1917
1961	351 E ON JUL 1	214 ON JUL 9	---	---	1961
1962	186 AT 17:00 MST ON MAY 20	186 ON MAY 20	---	---	1962
1963	---	150 ON APR 27	---	---	1963
1965	---	195 ON JUN 29	---	---	1965
1966	116 AT 13:15 MST ON AUG 29	73.6 ON MAY 6	---	---	1966
1967	81.6 AT 13:00 MST ON MAY 18	66.9 ON MAY 18	---	---	1967
1968	182 AT 15:30 MST ON JUN 13	180 ON JUN 13	---	---	1968
1969	187 AT 05:00 MST ON SEP 6	155 ON SEP 6	---	---	1969
1970	213 AT 18:00 MST ON JUN 29	185 ON JUN 29	---	---	1970
1971	334 AT 11:30 MST ON JUL 4	323 ON JUL 4	0.3980 ON FEB 7	631 000	1971
1972	232 A AT 23:30 MST ON JUN 18	192 A ON JUN 19	0.3400 ON MAR 2	485 000	1972
1973	189 AT 06:30 MST ON JUN 17	179 ON JUN 17	0.2660 ON FEB 16	478 000	1973
1974	267 A AT 03:00 MST ON JUL 14	235 A ON JUL 13	0.8670 ON MAR 23	540 000	1974
1975	343 A AT 00:30 MST ON JUN 30	314 A ON JUN 29	0.5380 ON FEB 12	479 000	1975
1976	294 AT 04:00 MST ON AUG 28	258 ON AUG 28	0.7598 ON JAN 4	581 000	1976
1977	318 AT 08:30 MST ON JUL 7	190 ON JUL 7	0.4618 ON DEC 9	508 000	1977
1978	225 AT 08:00 MST ON SEP 18	216 ON SEP 18	0.2138 ON FEB 18	430 000	1978
1979	382 A AT 00:30 MST ON JUL 2	348 A ON JUL 2	0.4038 ON MAR 6	640 000	1979
1980	92.8 AT 03:00 MST ON SEP 18	83.7 ON SEP 18	0.0868 ON MAR 9 *	316 000	1980
1981	97.2 AT 06:30 MST ON JUL 23	87.4A ON JUL 23	0.2538 ON DEC 31	336 000	1981
1982	200 AT 14:00 MST ON AUG 4	183 ON AUG 4	0.1238 ON MAR 20	353 000	1982
1983	493 AT 15:30 MST ON JUN 26 *	441 A ON JUN 26	0.1198 ON FEB 28	543 000	1983
1984	257 AT 13:30 MST ON JUN 6	245 ON JUN 6	0.3029 ON JAN 13	349 000	1984
1985	182 AT 08:00 MST ON JUN 25	166 A ON JUN 25	0.2208 ON FEB 6	450 000	1985
1986	332 AT 02:30 MST ON JUL 19	289 ON JUL 18	0.8088 ON FEB 23	535 000	1986
				473 000	MEAN

A - MANUAL GAUGE B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
(SEE REFERENCE INDEX) E - ESTIMATED

SWAN RIVER NEAR SWAN HILLS · STATION NO. 07BJ003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	---	---	---	---	2.33	1.42	1.33	0.888	---	---	---	1970
1971	---	---	0.234	1.59	3.22	6.96	10.2	1.85	0.777	0.593	---	---	3.19	1971
1972	---	---	0.378	0.429	7.83	4.97	1.74	1.12	1.16	1.02	---	---	2.35	1972
1973	---	---	0.180	0.639	5.47	5.14	2.22	2.46	1.22	0.857	---	---	2.27	1973
1974	---	---	0.203	1.48	7.46	2.41	4.66	0.930	0.824	0.909	---	---	2.37	1974
1975	---	---	0.182	0.589	2.26	4.74	2.99	2.95	2.30	2.09	---	---	2.26	1975
1976	---	---	0.130	2.91	3.89	3.58	3.73	7.65	2.31	1.13	---	---	3.17	1976
1977	---	---	0.207	2.29	5.81	3.29	5.18	0.821	0.985	0.959	---	---	2.46	1977
1978	---	---	0.188	1.46	3.79	3.45	2.80	1.33	5.09	1.50	---	---	2.45	1978
1979	---	---	0.232	0.311	5.47	6.47	6.71	0.745	0.579	0.356	---	---	2.81	1979
1980	---	---	0.047	2.74	2.27	1.77	1.77	1.27	2.82	0.804	---	---	1.88	1980
1981	---	---	0.212	1.14	2.27	2.91	2.22	0.475	0.437	0.446	---	---	1.26	1981
1982	---	---	0.107	0.983	7.13	1.66	6.25	3.15	0.875	0.345	---	---	2.58	1982
1983	---	---	0.041	1.14	0.880	4.44	10.7	2.40	1.39	0.937	---	---	2.76	1983
1984	---	---	0.193	1.19	5.63	5.00	2.74	1.86	1.65	0.744	---	---	2.35	1984
1985	---	---	0.370	1.53	6.91	2.83	0.627	0.655	4.98	2.39	---	---	2.52	1985
1986	---	---	0.113	2.58	5.90	2.48	6.80	1.54	0.815	1.59	---	---	2.71	1986
MEAN	---	---	0.180	1.44	4.76	3.88	4.33	1.83	1.74	1.02	---	---	2.44	MEAN

LOCATION - LAT 54 46 08 N DRAINAGE AREA 155 km²
LONG 115 28 12 W NATURAL FLOW

SWAN RIVER NEAR SWAN HILLS · STATION NO. 07BJ003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1970	20.4 AT 09 00 MST ON JUN 28	16.3 ON JUN 18	---	---	1970
1971	84.4 AT 18 30 MST ON JUL 3 *	55.8 ON JUL 3 *	0.0838 ON MAR 31	87 500	1971
1972	23.6 AT 02 00 MST ON MAY 14	20.0 ON MAY 14	0.0488 ON APR 18	48 800	1972
1973	28.8 AT 18 30 MST ON JUN 28	18.1 ON JUN 16	0.0768 ON MAR 2	48 100	1973
1974	97.8 AT 00 30 MST ON JUL 13	43.0 ON JUL 13	0.1708 ON MAR 15	50 200	1974
1975	52.7 AT 00 01 MST ON JUN 28	38.2 ON JUN 28	0.1428 ON MAR 7	47 800	1975
1976	67.7 AT 01 30 MST ON AUG 27	44.2 ON AUG 27	0.0888 ON MAR 5	67 100	1976
1977	34.5 AT 21 30 MST ON JUL 6	19.9 ON JUL 7	0.1788 ON MAR 24	52 100	1977
1978	35.1 AT 17 00 MST ON SEP 17	27.7 ON SEP 17	0.1448 ON MAR 8	52 000	1978
1979	71.56 AT 00 30 MST ON JUN 14	54.1 ON JUL 2	0.1178 ON APR 2	56 400	1979
1980	12.8 AT 07 30 MST ON SEP 17	10.6 ON APR 25	0.0238 ON MAR 4	35 500	1980
1981	13.0 AT 20 30 MST ON JUL 22	10.2 ON JUL 22	0.1408 ON MAR 23	28 700	1981
1982	78.4 AT 07 00 MST ON JUL 15	39.6 ON JUL 15	0.0848 ON MAR 8	54 500	1982
1983	82.9 AT 20 30 MST ON JUL 8	35.3 ON JUL 28	0.0058 ON MAR 1 *	58 300	1983
1984	28.3 AT 18 45 MST ON JUN 7	21.9 ON JUN 9	0.1308 ON MAR 1	48 700	1984
1985	35.3 AT 19 30 MST ON JUN 24	19.9 ON JUN 24	0.1958 ON MAR 7	53 300	1985
1986	42.3 AT 11 15 MST ON JUL 18	36.2 ON JUL 18	0.0488 ON MAR 18	57 300	1986
				51 600	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)

B - ICE CONDITIONS

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SWIFTCURRENT CREEK AT MANY GLACIER - STATION NO. 05AE032

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	---	---	11.9	5.51	3.59	2.48	1.98	---	---	---	1912
1913	---	---	---	---	9.06	19.5	8.95	5.43	3.19	2.78	2.03	1.58	---	1913
1914	---	---	---	3.77	10.4	10.2	---	---	---	---	---	---	---	1914
1915	---	---	---	---	8.88	9.80	6.34	4.33	3.55	3.35	2.24	---	---	1915
1916	---	---	1.53	2.35	7.93	21.5	14.7	5.85	5.77	1.70	1.72	1.28	---	1916
1917	---	---	---	0.934	8.80	17.3	11.4	4.08	2.87	2.30	1.58	1.99	---	1917
1918	5.01	1.26	1.43	4.50	12.9	15.8	5.77	4.82	2.43	2.45	1.30	0.895	4.96	1918
1919	1.20	1.00	0.930	3.58	12.2	9.82	4.77	3.03	1.84	1.01	1.19	1.23	3.48	1919
1920	1.21	1.01	0.816	---	---	15.3	11.6	4.30	4.36	2.98	---	---	---	1920
1921	1.07	---	---	---	---	18.2	8.07	3.56	1.70	2.16	---	---	---	1921
1922	---	---	---	---	9.63	14.7	6.29	3.43	1.89	0.918	---	---	---	1922
1923	---	---	---	---	11.2	14.6	7.57	3.54	1.83	1.91	---	---	---	1923
1924	---	---	---	1.32	11.4	12.5	6.98	3.70	1.93	1.24	---	---	---	1924
1925	---	---	---	---	16.3	15.8	8.85	4.22	2.73	1.70	---	---	---	1925
1926	---	---	---	---	8.24	8.47	4.11	2.56	4.09	4.59	---	---	---	1926
1927	---	---	---	---	7.83	20.6	10.8	4.89	6.45	4.82	---	---	---	1927
1928	---	---	---	---	16.6	13.4	10.4	3.43	1.95	5.81	---	---	---	1928
1929	---	---	---	---	9.18	11.7	5.45	2.89	1.25	1.23	---	---	---	1929
1930	---	---	---	---	9.80	10.7	5.80	2.87	1.74	1.27	---	---	---	1930
1931	---	---	---	---	12.6	9.44	4.09	2.88	2.31	1.20	---	---	---	1931
1932	---	---	---	---	13.2	14.4	8.15	2.97	1.38	1.59	---	---	---	1932
1933	---	---	---	---	9.38	23.2	9.84	3.83	2.48	5.50	---	---	---	1933
1934	---	---	---	9.62	17.3	11.7	5.23	2.88	1.21	1.27	---	---	---	1934
1935	---	---	---	---	10.1	13.4	7.47	2.93	1.95	---	---	---	---	1935
1936	---	---	---	---	15.5	11.2	4.28	2.17	1.18	0.744	---	---	---	1936
1937	---	---	---	---	11.0	17.0	8.13	2.45	1.33	1.78	---	---	---	1937
1938	---	---	---	4.54	13.0	14.5	8.77	2.39	1.80	1.52	---	---	---	1938
1939	---	---	---	---	12.6	8.04	5.85	2.82	1.46	0.915	---	---	---	1939
1940	---	---	0.808	2.77	10.7	8.45	3.81	1.98	2.52	1.87	---	---	---	1940
1941	---	---	0.852	3.82	8.47	7.55	4.12	1.87	3.84	3.50	---	---	---	1941
1942	---	---	0.812	4.04	8.48	11.6	7.59	3.09	2.26	1.28	---	---	---	1942
1943	---	---	0.434	5.11	8.85	14.6	10.2	3.10	1.89	1.47	---	---	---	1943
1944	---	---	0.405	1.87	8.28	7.24	3.22	2.72	2.20	1.89	---	---	---	1944
1945	---	---	0.521	0.979	11.9	13.5	8.56	2.37	2.82	2.48	3.22	---	---	1945
1946	---	---	0.913	4.15	13.1	12.9	7.78	2.88	2.11	2.78	---	---	---	1946
1947	---	---	---	3.47	13.0	12.9	7.71	3.28	2.73	6.88	---	---	---	1947
1948	---	---	0.374	2.12	12.1	17.6	5.58	3.19	1.38	1.00	---	---	---	1948
1949	---	---	0.492	3.27	12.3	9.57	4.87	2.43	3.01	1.92	3.30	---	---	1949
1950	---	---	---	1.20	8.46	19.0	13.0	4.70	2.08	6.73	---	---	---	1950
1951	---	---	---	2.82	12.9	12.4	11.1	3.88	5.14	5.38	---	---	---	1951
1952	---	---	---	---	8.88	9.95	6.04	3.40	1.60	0.758	---	---	---	1952
1953	---	---	---	---	10.8	18.7	11.5	4.22	1.92	0.929	---	---	---	1953
1954	---	---	---	1.38	12.6	15.6	14.3	5.58	4.06	4.26	2.87	---	---	1954
1955	---	---	---	---	5.80	15.7	10.2	3.48	1.85	5.38	---	---	---	1955
1956	---	---	---	---	12.2	14.7	8.23	3.66	2.13	3.38	---	---	---	1956
1957	---	---	0.751	1.82	15.7	12.4	4.78	2.23	1.27	1.80	---	---	---	1957
1958	---	---	0.713	1.88	14.9	11.1	4.82	2.70	2.94	3.05	2.21	1.50	---	1958
1959	1.83	0.985	0.586	3.36	8.68	17.4	9.19	3.78	6.84	5.86	1.94	1.23	5.12	1959
1960	0.687	0.518	0.986	2.94	7.47	15.2	7.27	3.03	1.91	1.14	1.14	0.711	3.57	1960
1961	0.568	1.07	0.883	2.56	12.2	16.9	5.38	2.59	1.78	3.33	1.15	0.881	4.10	1961
1962	0.485	0.748	0.399	4.31	8.93	11.6	4.92	3.08	1.85	3.28	2.77	1.88	3.89	1962
1963	0.738	1.72	0.746	1.97	9.73	15.6	7.70	2.89	1.81	1.34	1.35	0.847	3.84	1963
1964	0.606	0.438	0.373	0.892	8.71	21.8	8.15	3.17	3.35	4.24	1.48	0.833	4.50	1964
1965	0.671	0.771	0.840	2.67	9.09	15.4	7.82	3.53	2.38	2.56	1.92	1.03	4.13	1965
1966	0.743	0.452	0.890	2.84	10.8	12.5	7.04	2.99	2.03	---	---	---	---	1966
MEAN	1.22	0.907	0.718	2.99	11.0	14.0	7.46	3.33	2.61	2.82	1.95	1.21	4.15	MEAN

LOCATION - LAT 48 48 10 N, LONG 113 39 20 W. DRAINAGE AREA, 80.5 km². NATURAL FLOW. INTERNATIONAL GAUGING STATION

SWIFTCURRENT CREEK AT MANY GLACIER - STATION NO 05AE032

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	---	---	---	1912
1913	---	32.6 ON MAY 28	---	---	1913
1914	---	19.3 ON JUN 4	---	---	1914
1915	---	17.0 ON MAY 8	---	---	1915
1916	43.9 ON JUN 17	43.0 ON JUN 17	---	---	1916
1917	---	32.8 ON JUN 9	---	---	1917
1918	---	35.4 ON JUN 10	0.793 ON DEC 30	157 000	1918
1919	---	28.6 ON MAY 27	0.851 ON JAN 14	110 000	1919
1920	---	27.4 ON JUN 15	0.538 ON MAR 7	---	1920
1921	30.9 AT 08 00 MST ON MAY 26	30.3 ON MAY 26	---	---	1921
1922	23.9 AT 04 00 MST ON MAY 30	22.7 ON MAY 20	---	---	1922
1923	23.1 AT 00 00 MST ON JUN 1	21.8 ON JUN 11	---	---	1923
1924	21.8 ON MAY 16	21.8 ON MAY 16	---	---	1924
1925	29.7 AT 07 00 MST ON MAY 22	29.2 ON MAY 22	---	---	1925
1926	13.9 AT 01 00 MST ON MAY 5	13.2 ON MAY 5	---	---	1926
1927	31.1 ON JUN 8	30.0 ON JUN 8	---	---	1927
1928	31.7 AT 09 00 MST ON MAY 23	31.4 ON MAY 23	---	---	1928
1929	25.0 AT 09 00 MST ON MAY 24	24.1 ON MAY 24	---	---	1929
1930	25.7A ON MAY 20	25.1A ON MAY 20	---	---	1930
1931	31.4 AT 01 30 MST ON MAY 17	25.4 ON MAY 16	---	---	1931
1932	38.5 AT 11 00 MST ON MAY 22	35.4 ON MAY 22	---	---	1932
1933	38.5 AT 08 00 MST ON JUN 17	36.8 ON JUN 16	---	---	1933
1934	36.2 AT 21 00 MST ON JUN 7	28.6 ON JUN 8	---	---	1934
1935	30.3 AT 21 00 MST ON MAY 23	28.9 ON MAY 23	---	---	1935
1936	29.4 AT 21 00 MST ON MAY 16	26.7 ON MAY 15	---	---	1936
1937	83.7 AT 15 30 MST ON JUN 13	50.4 ON JUN 13	---	---	1937
1938	32.0 AT 05 00 MST ON MAY 27	30.0 ON MAY 26	---	---	1938
1939	30.0 AT 03 00 MST ON MAY 30	26.2 ON MAY 30	---	---	1939
1940	19.7 AT 02 30 MST ON MAY 12	18.2 ON MAY 12	---	---	1940
1941	14.2 AT 10 00 MST ON MAY 16	13.6 ON MAY 16	---	---	1941
1942	29.4 AT 07 30 MST ON JUN 6	28.1 ON JUN 6	---	---	1942
1943	46.2 AT 08 00 MST ON JUN 18	41.9 ON JUN 18	---	---	1943
1944	14.3 AT 00 00 MST ON MAY 17	14.1 ON MAY 17	---	---	1944
1945	23.9 AT 10 15 MST ON JUN 22	23.0 ON JUN 1	---	---	1945
1946	22.6 AT 04 30 MST ON MAY 29	21.8 ON MAY 29	---	---	1946
1947	---	25.0 ON OCT 19	---	---	1947
1948	35.4 AT 10 00 MST ON JUN 4	33.7 ON JUN 4	---	---	1948
1949	21.5 AT 05 00 MST ON MAY 28	20.3 ON MAY 28	---	---	1949
1950	34.3 AT 16 00 MST ON JUN 22	33.4 ON JUN 22	---	---	1950
1951	28.6 AT 01 00 MST ON JUN 16	27.1 ON JUN 15	---	---	1951
1952	23.0 AT 06 00 MST ON OCT 2	14.9 ON MAY 20	---	---	1952
1953	37.4 AT 14 00 MST ON JUN 13	35.4 ON JUN 13	---	---	1953
1954	38.2 AT 07 00 MST ON MAY 20	32.8 ON MAY 20	---	---	1954
1955	27.0 AT 12 00 MST ON JUN 25	25.5 ON JUN 25	---	---	1955
1956	31.1 AT 06 00 MST ON MAY 21	30.0 ON MAY 21	---	---	1956
1957	23.2 AT 07 00 MST ON MAY 8	22.1 ON MAY 8	---	---	1957
1958	23.6 AT 05 30 MST ON MAY 10	23.5 ON MAY 10	---	---	1958
1959	28.6 AT 03 00 MST ON JUN 6	26.8 ON JUN 6	0.5108 ON MAR 12	161 000	1959
1960	27.4 AT 02 30 MST ON JUN 17	24.4 ON JUN 3	0.3402 ON FEB 29	113 000	1960
1961	28.6 AT 14 00 MST ON MAY 27	27.9 ON MAY 27	0.382 ON JAN 14	129 000	1961
1962	17.1 AT 05 00 MST ON JUN 10	16.1 ON JUN 10	0.3408 ON JAN 22	116 000	1962
1963	23.4 AT 19 00 MST ON JUN 10	21.6 ON JUN 10	0.3968 ON JAN 31	121 000	1963
1964	190 AT 16 00 MST ON JUN 8 *	117 ON JUN 8 *	0.246 ON MAR 2 *	142 000	1964
1965	39.4 AT 06 00 MST ON JUN 19	37.9 ON JUN 19	0.4258 ON MAR 25	130 000	1965
1966	23.4 AT 08 00 MST ON JUN 11	22.5 ON JUN 11	---	---	1966
				131 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SWIFTCURRENT CREEK AT SHERBURNE - STATION NO. 05AE033

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	---	---	---	70.5	8.83	3.41	2.83	2.81	---	---	1912
1913	---	---	---	---	14.5	30.4	12.2	7.76	3.29	3.77	2.59	1.76	---	1913
1914	---	---	---	---	17.0	14.9	9.46	4.57	3.56	---	---	---	---	1914
1915	---	---	---	---	11.4	13.4	8.94	6.75	4.90	4.85	3.61	---	---	1915
1916	---	---	3.39	4.03	10.2	28.5	18.4	7.29	5.95	1.42	2.42	0.890	10.0	1916
1917	0.557	0.607	0.476	1.39	14.4	24.4	13.9	4.38	2.92	2.72	2.72	---	8.06	1917
1918	---	---	---	---	---	20.5	8.92	4.84	2.99	2.85	1.73	1.19	---	1918
1919	0.807	0.701	0.438	4.45	14.8	2.05	8.87	11.6	3.98	1.12	1.17	1.38	5.92	1919
1920	1.14	0.928	0.832	1.95	13.9	19.9	---	10.6	5.25	5.29	2.81	2.39	---	1920
1921	1.11	1.88	2.08	5.31	17.8	16.1	5.22	4.74	3.82	16.3	1.03	4.17	9.15	1921
1922	1.10	0.689	0.585	1.67	11.5	15.0	4.51	11.0	6.67	2.38	1.81	1.18	7.13	1922
1923	1.28	0.880	0.712	3.80	15.4	7.68	2.00	11.1	16.7	2.89	---	---	7.51	1923
1924	---	---	---	---	7.81	2.14	20.3	12.5	3.95	---	---	---	---	1924
1925	---	---	---	---	12.2	21.3	8.61	15.2	13.0	10.5	---	---	---	1925
1926	---	---	---	---	7.62	9.45	10.3	3.12	3.28	0.311	---	---	---	1926
1927	---	---	---	2.59	16.1	22.4	13.9	12.2	5.15	8.12	---	---	---	1927
1928	---	---	---	---	24.6	1.10	14.7	10.5	2.72	10.4	---	---	---	1928
1929	---	---	---	---	9.76	13.1	8.52	13.1	7.26	2.44	---	---	---	1929
1930	---	---	---	---	4.23	15.2	10.6	13.7	5.24	1.15	---	---	---	1930
1931	---	---	---	---	7.74	6.85	15.8	15.9	3.85	3.08	---	---	---	1931
1932	---	---	---	---	5.86	10.3	12.3	16.7	7.67	3.87	---	---	---	1932
1933	---	---	---	---	23.0	12.6	10.6	17.5	5.08	4.23	---	---	---	1933
1934	---	---	---	---	18.1	16.7	16.2	18.2	2.78	1.62	---	---	---	1934
1935	---	---	---	---	9.20	5.55	14.6	16.9	7.59	0.849	---	---	---	1935
1936	---	---	---	---	3.88	13.2	21.5	13.1	1.67	1.14	---	---	---	1936
1937	---	---	---	---	6.85	6.78	14.6	21.4	4.25	1.85	---	---	---	1937
1938	---	---	---	---	8.97	13.2	13.3	20.9	6.85	2.45	---	---	---	1938
1939	---	---	---	---	3.06	9.48	17.2	13.5	0.292	0.763	---	---	---	1939
1940	---	---	---	0.536	5.00	8.59	19.5	8.25	0.209	0.111	---	---	---	1940
1941	---	---	---	3.37	6.00	3.94	17.8	6.70	2.73	0.003	---	---	---	1941
1942	---	---	---	6.77	5.36	15.7	12.9	15.3	13.4	4.94	---	---	---	1942
1943	---	---	---	0.029	8.14	22.3	8.64	16.4	16.2	1.44	---	---	---	1943
1944	---	---	---	6.15	8.46	2.18	11.4	8.80	1.00	0.006	---	---	---	1944
1945	---	---	---	3.75	5.80	12.3	11.9	16.4	12.3	2.28	---	---	---	1945
1946	---	---	---	14.1	7.75	6.05	11.5	16.1	14.2	0.353	---	---	---	1946
1947	---	---	---	6.88	11.0	11.1	8.49	16.0	13.4	0.771	---	---	---	1947
1948	---	---	---	---	14.2	23.5	9.43	14.3	14.4	1.24	---	---	---	1948
1949	---	---	---	---	5.87	7.42	13.2	16.4	7.76	---	---	---	---	1949
1950	---	---	---	4.28	17.0	24.5	9.04	12.9	14.1	13.5	---	---	---	1950
1951	---	---	---	---	18.1	14.4	12.0	14.3	18.5	12.4	---	---	---	1951
1952	---	---	---	6.26	8.67	11.2	14.0	14.9	1.76	---	---	---	---	1952
1953	---	---	---	2.12	15.3	18.0	12.5	15.1	15.9	1.87	---	---	---	1953
1954	---	---	0	5.09	16.5	9.61	13.4	14.7	16.5	11.7	---	---	11.6	1954
1955	---	---	---	---	1.52	18.2	9.15	16.2	16.5	6.55	---	---	---	1955
1956	---	---	---	2.79	21.0	10.7	3.81	14.7	15.8	6.50	---	---	---	1956
1957	---	---	---	4.46	10.2	13.0	10.8	16.3	7.67	0.002	---	---	---	1957
1958	---	---	---	1.77	6.09	13.9	13.5	17.7	7.88	0.002	---	---	---	1958
1959	---	---	1.01	9.45	15.3	12.5	5.21	17.0	20.7	11.0	---	---	12.0	1959
1960	---	---	---	1.46	10.3	8.10	10.7	19.2	11.3	0.003	---	---	---	1960
1961	---	---	0.212	13.1	5.75	8.15	13.6	16.8	10.7	3.02	---	---	8.81	1961
1962	---	---	0.007	12.9	10.6	1.93	13.8	14.7	1.78	0.006	---	---	6.99	1962
1963	---	---	0.400	16.2	10.8	0.508	11.4	19.2	11.5	0.476	---	---	9.05	1963
1964	---	---	---	9.11	8.31	17.1	7.82	15.7	14.4	7.87	---	---	---	1964
1965	---	---	---	0.065	12.2	15.0	6.33	17.0	15.5	6.59	---	---	---	1965
1966	---	---	0.100	0.109	13.2	6.30	11.1	18.0	13.5	1.04	---	---	7.93	1966
1967	---	---	0.011	0.015	24.9	8.82	5.26	17.1	15.2	---	---	---	---	1967
1968	---	---	0.009	13.6	10.6	0.748	11.7	18.1	18.5	0.231	---	---	9.38	1968
1969	---	---	0.002	1.37	6.86	15.1	14.2	18.4	9.28	1.52	---	---	8.48	1969
1970	---	---	0.003	7.95	1.18	17.8	12.8	18.8	8.06	0.006	---	---	8.43	1970
1971	---	---	0.009	0.029	17.0	16.0	10.1	14.5	21.6	2.98	---	---	10.3	1971
1972	---	---	0.026	0.027	29.3	8.20	12.9	14.6	18.8	6.99	---	---	11.1	1972
1973	---	---	0.080	1.85	7.35	7.44	16.4	16.4	0.009	0.456	---	---	6.28	1973
1974	---	---	1.08	14.6	9.36	13.0	15.4	18.3	16.4	0	---	---	11.0	1974
1975	---	---	0.020	0.197	0.867	27.6	15.7	16.1	22.4	3.88	---	---	10.8	1975
1976	---	---	0.014	1.93	14.8	8.78	10.8	17.5	20.6	2.88	---	---	9.63	1976
1977	---	---	0.002	1.88	12.6	13.1	5.07	4.48	3.16	0.018	---	---	5.00	1977
1978	---	---	0.007	0.578	12.2	12.0	15.1	16.8	17.2	5.85	---	---	8.97	1978
1979	---	---	0.085	0.149	13.1	2.07	13.3	16.9	6.07	0.001	---	---	6.61	1979
1980	---	---	3.84	6.25	5.24	3.02	16.2	16.6	9.01	0.191	---	---	7.79	1980
1981	---	---	11.5	9.72	2.58	4.36	13.4	17.0	16.4	0.131	---	---	9.37	1981
1984	---	---	10.7	5.59	7.46	6.13	11.7	11.2	0.801	0.003	---	---	5.73	1984
1985	---	---	2.77	15.9	8.78	1.90	13.5	18.0	9.27	0.054	---	---	8.88	1985
1986	---	---	0.105	7.54	11.0	10.7	15.1	16.5	1.22	1.08	---	---	7.91	1986
MEAN	0.999	0.948	1.29	6.01	11.1	12.2	11.9	14.1	9.53	3.19	2.23	1.85	6.69	MEAN

LOCATION - LAT 48 49 45 N LONG 113 30 59 W

DRAINAGE AREA, 168 km² REGULATED

INTERNATIONAL GAUGING STATION

SWIFTCURRENT CREEK AT SHERBURNE - STATION NO. 05AE033

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	---	---	---	1912
1913	---	52.4 ON MAY 28	---	---	1913
1914	---	30.9 ON JUN 4	---	---	1914
1915	---	23.1 ON JUN 26	---	---	1915
1916	---	63.7 ON JUN 17	0.113 ON APR 25	212 000	1916
1917	---	30.3 ON JUN 10	0.170 ON MAY 4	171 000	1917
1918	---	32.3 ON MAY 5	---	---	1918
1919	---	26.9 ON MAY 29	0 E ON MAR 3 *	125 000	1919
1920	---	42.2 ON AUG 3	0 ON JUN 29	---	1920
1921	34.0 AT 15:30 MST ON MAY 28	32.6 ON MAY 29	0.014 ON JUN 29	184 000	1921
1922	35.1 AT 07:00 MST ON JUN 7	33.1 ON JUN 7	0.003 ON JUN 26	151 000	1922
1923	24.5 AT 10:00 MST ON JUN 11	23.7 ON JUN 10	0 A ON JUN 21	159 000	1923
1924	24.3A ON JUL 19	24.3A ON JUL 19	---	---	1924
1925	37.7 AT 14:00 MST ON JUN 18	30.6 ON JUN 23	---	---	1925
1926	31.7 AT 18:00 MST ON OCT 10	13.6 ON JUL 19	---	---	1926
1927	47.3 AT 21:00 MST ON JUN 8	47.0 ON JUN 8	---	---	1927
1928	51.8 ON MAY 11	46.7 ON MAY 10	---	---	1928
1929	38.5 AT 15:30 MST ON OCT 14	32.8 ON MAY 25	---	---	1929
1930	26.5 ON JUN 12	26.2 ON JUN 13	---	---	1930
1931	18.2 AT 00:30 MST ON JUL 24	17.9 ON JUL 24	---	---	1931
1932	34.5 AT 20:30 MST ON MAY 31	22.6 ON JUN 17	---	---	1932
1933	32.6 AT 24:00 MST ON JUN 2	32.3 ON JUN 2	---	---	1933
1934	50.1 AT 22:00 MST ON JUN 7	37.1 ON JUN 8	---	---	1934
1935	21.8 AT 19:30 MST ON AUG 20	21.5 ON AUG 21	---	---	1935
1936	24.6 AT 19:45 MST ON AUG 13	23.4 ON AUG 14	---	---	1936
1937	31.7 AT 15:00 MST ON JUN 15	24.0 ON AUG 1	---	---	1937
1938	---	27.0A ON MAY 29	---	---	1938
1939	28.3 AT 14:30 MST ON JUL 17	24.1 ON AUG 6	---	---	1939
1940	21.5 AT 09:30 MST ON JUL 26	21.1 ON JUL 14	---	---	1940
1941	22.5 AT 17:00 MST ON JUL 9	21.7 ON JUL 10	---	---	1941
1942	43.3 AT 20:00 MST ON JUN 5	42.5 ON JUN 6	---	---	1942
1943	54.7 AT 22:00 MST ON JUN 21	52.7 ON JUN 22	---	---	1943
1944	18.6 AT 19:30 MST ON AUG 8	18.0 ON AUG 5	---	---	1944
1945	25.8 AT 15:15 MST ON JUN 4	25.3 ON JUN 5	0 A ON APR 1	---	1945
1946	19.5 AT 09:00 MST ON SEP 3	19.2 ON SEP 3	---	---	1946
1947	21.1 AT 19:00 MST ON MAY 14	21.0 ON MAY 14	---	---	1947
1948	38.5 AT 09:45 MST ON JUN 17	38.2 ON JUN 18	---	---	1948
1949	17.6 AT 23:00 MST ON AUG 4	17.5 ON JUL 24	---	---	1949
1950	30.9 ON JUN 24	30.6 ON JUN 25	---	---	1950
1951	40.2 AT 17:30 MST ON JUN 16	39.6 ON JUN 17	---	---	1951
1952	31.1 AT 00:01 MST ON OCT 1	18.2 ON JUN 9	---	---	1952
1953	36.0 AT 18:00 MST ON JUN 14	35.7 ON JUN 14	0.020 ON OCT 27	---	1953
1954	64.4 AT 13:00 MST ON SEP 15	31.1 ON MAY 23	0 B ON MAR 1	245 000	1954
1955	33.4 AT 22:30 MST ON JUN 24	33.4 ON JUN 25	---	---	1955
1956	48.2 AT 19:00 MST ON MAY 22	44.2 ON MAY 23	---	---	1956
1957	22.8 AT 14:00 MST ON JUN 9	22.7 ON JUN 9	0 E ON SEP 28	---	1957
1958	30.3 AT 23:00 MST ON JUN 19	26.8 ON JUN 11	0 ON OCT 17	---	1958
1959	33.7 AT 09:00 MST ON SEP 30	30.0 ON OCT 1	0.003B ON MAR 1	254 000	1959
1960	61.7 AT 13:20 MST ON JUL 28	25.1 ON JUL 28	0 ON OCT 21	---	1960
1961	33.7 AT 11:30 MST ON JUN 30	24.7 ON JUN 30	0 B ON MAR 1	188 000	1961
1962	19.5 AT 15:00 MST ON APR 9	19.1 ON APR 10	0 ON OCT 21	148 000	1962
1963	25.6 AT 15:30 MST ON APR 5	21.8 ON APR 8	0.008E ON MAR 1	192 000	1963
1964	66.8 AT 18:30 MST ON JUN 11	66.3 ON JUN 12 *	---	---	1964
1965	44.2 AT 08:00 MST ON MAY 16	37.4 ON MAY 16	---	---	1965
1966	27.2 AT 11:00 MST ON APR 25	22.9 ON JUN 4	0.008 ON OCT 31	188 000	1966
1967	47.9 AT 10:45 MST ON MAY 10	47.0 ON MAY 11	---	---	1967
1968	30.3 AT 14:15 MDT ON SEP 18	28.3 ON SEP 20	0.005 ON OCT 27	199 000	1968
1969	88.5 AT 20:30 MDT ON JUN 25 *	44.5 ON JUN 25	0 ON OCT 18	180 000	1969
1970	57.1 AT 11:00 MDT ON JUL 8	52.6 ON JUN 10	0.003B ON MAR 1	178 000	1970
1971	82.0 AT 07:15 MST ON MAY 14	59.5 ON MAY 29	0.003 ON OCT 29	218 000	1971
1972	57.5 AT 09:45 MST ON MAY 18	54.4 ON MAY 20	0.008E ON MAR 1	236 000	1972
1973	22.5 AT 08:30 MST ON AUG 6	21.8 ON AUG 7	0 ON SEP 28	133 000	1973
1974	48.7 AT 17:30 MST ON JUN 17	47.0 ON JUN 18	0 ON SEP 28	232 000	1974
1975	64.6 AT 15:30 MST ON JUN 21	64.3 ON JUN 21	0 ON OCT 2	228 000	1975
1976	---	26.5 ON MAY 12	0.003 ON OCT 28	204 000	1976
1977	18.9 AT 10:00 MST ON JUN 27	16.0 ON MAY 25	0 ON SEP 20	108 000	1977
1978	28.1 AT 07:30 MST ON JUN 9	27.9 ON JUN 9	0.001 ON MAR 6	211 000	1978
1979	53.4 AT 22:30 MDT ON MAY 27	39.9 ON MAY 27	0.001 ON SEP 20	140 000	1979
1980	19.9 AT 09:45 MDT ON AUG 15	19.5 ON AUG 16	0 ON OCT 7	165 000	1980
1981	65.1 AT 12:00 MDT ON JUL 15	21.6 ON JUL 29	0 ON OCT 3	196 000	1981
1984	20.6 AT 10:00 MST ON JUL 25	20.6 ON JUL 26	0.002 ON OCT 14	142 000	1984
1985	30.9 AT 08:00 MST ON OCT 8	25.2 ON JUL 15	0.003 ON OCT 2	188 000	1985
1986	42.2 AT 22:30 MST ON MAY 29	37.9 ON MAY 30	0.003 ON SEP 5	187 000	1986
				184 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SYLVAN CREEK NEAR SYLVAN LAKE - STATION NO. 05CC004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1921	---	---	---	0.077	0.243	0.232	0.136	0.104	0.011	0	---	---	---	1921
1922	---	---	---	0.022	0.013	0.027	0.008	0.029	0.021	0	---	---	---	1922
MEAN	---	---	---	0.050	0.128	0.130	0.073	0.067	0.016	0	---	---	---	MEAN

LOCATION - LAT 52 19 00 N, LONG 114 04 00 W
DRAINAGE AREA, 153 km^2
NATURAL FLOW

SYLVAN CREEK NEAR SYLVAN LAKE - STATION NO. 05CC004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1921	---	0.311 ON MAY 26 *	0 ON APR 1 *	---	1921
1922	---	0.071 ON APR 20	0 ON APR 1	---	1922
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

TABER IRRIGATION DISTRICT CANAL NEAR CHIN - STATION NO. 05AG001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1921	---	---	---	0	0.302	3.84	4.57	1.10	1.75	3.95	0.279	---	1.96	1921
1922	---	---	---	0	0	2.60	3.34	1.19	0.781	2.52	0.884	---	1.40	1922
1923	---	---	---	0	0.542	0.990	1.21	0.614	1.01	2.05	0.186	---	0.828	1923
1924	---	---	---	0	1.41	2.39	3.94	1.53	2.28	3.81	0.282	---	1.97	1924
1925	---	---	---	0	0.483	3.55	3.80	1.71	0.859	0.374	0.121	---	1.34	1925
1926	---	---	---	0	1.55	3.43	4.11	1.88	0.514	0.975	0.887	---	1.81	1926
1927	---	---	---	0	0	0.174	0.835	0.950	0.476	0.402	0.076	---	0.367	1927
1928	---	---	---	0	0.937	1.26	0.276	1.21	0.888	1.23	1.03	---	0.851	1928
1929	---	---	---	0	0.244	0.841	3.16	3.26	1.02	2.51	0.840	---	1.47	1929
1930	---	---	---	0	0.999	4.85	4.51	2.98	1.16	0.716	0.535	---	1.97	1930
1931	---	---	---	---	---	---	---	3.03	1.05	---	---	---	---	1931
1932	---	---	---	0	0.501	1.57	4.88	2.47	0.482	0.892	0.317	---	1.38	1932
1933	---	---	---	0	0.098	3.40	4.17	3.28	0.819	0.891	0	---	1.86	1933
1934	---	---	---	0	3.56	0.805	4.03	3.45	1.21	0.524	0	---	1.72	1934
1935	---	---	---	0	0.078	2.86	4.41	3.11	2.19	0.851	0	---	1.89	1935
1936	---	---	---	0	0.182	3.22	5.64	2.77	0.970	0.001	0	---	1.59	1936
1937	---	---	---	0	1.16	3.82	5.09	2.83	3.80	0.870	0	---	2.14	1937
1938	---	---	---	0	0.326	4.11	3.82	2.85	2.88	1.53	0	---	1.94	1938
1939	---	---	---	0	3.13	1.83	3.43	4.09	3.32	0.476	0	---	2.02	1939
1940	---	---	---	0	0.381	4.12	4.47	3.57	2.67	0.854	0	---	2.01	1940
1941	---	---	---	0	1.51	1.98	3.98	3.53	1.48	0.602	0	---	1.85	1941
1942	---	---	---	0	0.348	1.10	3.50	2.82	1.08	0.887	0.217	---	1.25	1942
1943	---	---	---	0	0.279	4.19	5.58	4.74	3.57	1.87	0.085	---	2.55	1943
1944	---	---	---	0.026	1.96	3.31	4.03	3.84	4.11	1.55	0.026	---	2.34	1944
1945	---	---	---	0	0.114	2.57	5.14	5.10	2.36	0.504	0	---	1.98	1945
1946	---	---	---	0	3.23	2.54	4.71	4.73	2.10	0.882	0.585	---	2.36	1946
1947	---	---	---	0	0	1.21	5.16	2.39	1.58	0.789	0.082	---	1.41	1947
1948	---	---	---	0	0	0.847	4.16	4.23	3.71	1.80	0.108	---	1.87	1948
1949	---	---	---	0.345	2.54	2.97	5.39	4.86	3.80	1.59	0	---	2.85	1949
1950	---	---	---	0	0.648	4.83	5.29	5.30	5.11	3.22	0.255	---	2.98	1950
1951	---	---	---	0	0.391	1.38	0.981	4.19	0.735	0.885	0	---	1.07	1951
MEAN	---	---	---	0.012	0.897	2.54	3.91	3.00	1.91	1.28	0.303	---	1.73	MEAN

LOCATION - LAT 49 46 45 N
LONG 112 27 20 W REGULATED

TABER IRRIGATION DISTRICT CANAL NEAR CHIN - STATION NO. 05AG001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1921	---	5.21 ON JUL 2	0 ON APR 1 *	41 300	1921
1922	---	4.81 ON JUN 25	0 ON APR 1	28 400	1922
1923	---	2.84 ON OCT 24	0 ON APR 1	17 500	1923
1924	---	4.53 ON OCT 30	0 ON APR 1	41 500	1924
1925	---	4.70 ON JUN 8	0 ON APR 1	28 300	1925
1926	---	4.59 ON JUN 15	0 ON APR 1	34 000	1926
1927	---	1.44 ON AUG 1	0 ON APR 1	7 740	1927
1928	---	3.74 ON NOV 13	0 ON APR 1	17 800	1928
1929	---	5.47 ON JUL 23	0 ON APR 1	31 100	1929
1930	---	5.75 ON JUL 16	0 ON APR 1	41 700	1930
1931	---	---	---	---	1931
1932	---	5.55 ON JUL 24	0 ON APR 1	28 000	1932
1933	---	5.38 ON JUL 27	0 ON APR 1	33 000	1933
1934	---	5.38 ON MAY 28	0 ON APR 1	36 200	1934
1935	---	5.13 ON JUL 15	0 ON APR 1	35 700	1935
1936	---	5.00 ON JUL 10	0 ON APR 1	33 600	1936
1937	---	5.31 ON JUL 12	0 ON APR 1	45 100	1937
1938	---	5.00 ON JUN 19	0 ON APR 1	40 800	1938
1939	---	5.49 ON MAY 21	0 ON APR 1	42 600	1939
1940	---	5.00 ON JUN 23	0 ON APR 1	42 500	1940
1941	---	5.14A ON JUL 25	0 ON APR 1	34 800	1941
1942	---	5.21 ON JUL 11	0 ON APR 1	26 500	1942
1943	---	5.88 ON JUL 28	0 ON APR 1	83 700	1943
1944	---	5.75 ON AUG 1	0 ON APR 1	48 400	1944
1945	---	5.09 ON AUG 1	0 ON APR 1	41 800	1945
1946	---	5.31 ON JUL 31	0 ON APR 1	48 800	1946
1947	---	5.17 ON JUL 31	0 ON APR 1	29 700	1947
1948	---	5.43 ON JUL 12	0 ON APR 1	38 300	1948
1949	---	5.83 ON AUG 5	0 ON APR 1	55 900	1949
1950	---	5.85 ON JUN 21 *	0 ON APR 1	62 800	1950
1951	---	5.80 ON AUG 9	0 ON APR 1	22 800	1951
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		38 500	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)

TABER IRRIGATION DISTRICT CANAL NEAR CRANFORD - STATION NO 05AG012

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	0.250	0.721	1.23	1.40	0.861	---	---	---	1966
1967	---	---	---	---	0.239	0.022	0.755	1.28	1.04	0.720	---	---	---	1967
1968	---	---	---	---	0.141	0.775	0.588	0.573	0.557	0.270	---	---	---	1968
MEAN	---	---	---	---	0.190	0.349	0.688	1.03	0.999	0.617	---	---	---	MEAN

LOCATION - LAT 49 44 45 N
LONG 112 21 15 W REGULATED

TABER IRRIGATION DISTRICT CANAL NEAR CRANFORD - STATION NO 05AG012

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	1.69 ON JUL 25	---	---	1966
1967	---	1.78 ON AUG 5 *	---	---	1967
1968	---	1.19 ON JUN 30	---	---	1968
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

TAR RIVER NEAR FORT MACKAY - STATION NO 07DA015

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	---	---	1.49	0.854	0.413	0.090	---	1975
1976	0.018	0	0.010	4.31	0.936	0.606	0.712	---	---	---	---	0.006	---	1976
1977	0.002	0	0	0.773	0.901	0.825	1.40	0.828	0.529	0.884	0.147	0.049	0.498	1977
MEAN	0.010	0	0.005	2.48	0.919	0.716	1.05	0.828	1.01	0.759	0.280	0.048	0.498	MEAN

LOCATION - LAT 57 21 14 N
LONG 111 45 29 W DRAINAGE AREA, 301 km^2
NATURAL FLOW

TAR RIVER NEAR FORT MACKAY - STATION NO 07DA015

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	---	---	1975
1976	---	14.5 A ON APR 9 *	0B ON FEB 1 *	---	1976
1977	2.97 AT 12 53 MST ON JUL 5 *	2.78 ON JUL 5	0B ON JAN 30	15 600	1977
				15 600	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

TAR RIVER NEAR FORT MACKAY (UPPER STATION) - STATION NO 07DA019

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	---	---	---	---	---	---	---	0.410	0.158	0.012	---	1976
1977	0	0	0	0.498	0.878	0.512	0.828	0.438	0.402	0.436	0.120	0.028	0.330	1977
MEAN	0	0	0	0.498	0.878	0.512	0.828	0.438	0.402	0.423	0.139	0.020	0.330	MEAN

LOCATION - LAT 57 29 05 N
LONG 112 01 10 W DRAINAGE AREA, 103 km^2
NATURAL FLOW

TAR RIVER NEAR FORT MACKAY (UPPER STATION) - STATION NO 07DA019

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1976	---	---	0B ON DEC 29 *	---	1976
1977	1.81 AT 14 15 MST ON JUL 4 *	1.78 ON JUL 4 *	0B ON JAN 1	10 400	1977
				10 400	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

TEEPEE CREEK NEAR LA CRETE - STATION NO 07JD004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	0	0.314	0.409	0.052	0.002	0.001	0	0	---	---	0.087	1981
1982	---	---	0	0.185	0.027	0	0	0	0	0	---	---	0.026	1982
1983	---	---	0	0.565	0.026	0.022	0	0	0	0	---	---	0.075	1983
1984	---	---	0.002	0.011	0.005	0.059	0.418	0.002	0.079	0.026	---	---	0.076	1984
1985	---	---	0.036	1.03	0.730	0.036	0.001	0.005	0.001	0.004	---	---	0.228	1985
1986	---	---	0.004	0.352	0.074	0.853	0.221	0.057	0	0.001	---	---	0.168	1986
MEAN	---	---	0.007	0.410	0.212	0.137	0.107	0.011	0.013	0.005	---	---	0.112	MEAN

LOCATION - LAT 58 08 16 N DRAINAGE AREA, 133 km²
LONG 116 14 55 W NATURAL FLOW

REMARKS - RECORDS PRIOR TO 1984 PUBLISHED AS TEPEE CREEK NEAR LA CRETE

TEEPEE CREEK NEAR LA CRETE - STATION NO 07JD004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1981	1.83 AT 10:00 MST ON APR 30	1.56 ON APR 30	0B ON MAR 1 *	2 050	1981
1982	2.26A AT 19:00 MST ON APR 22	1.53 B ON APR 22	0B ON MAR 1	554	1982
1983	6.82 AT 22:00 MST ON APR 19 *	5.03 A ON APR 19 *	0B ON MAR 1	1 600	1983
1984	1.00 AT 14:00 MST ON JUL 7	0.979 ON JUL 7	0B ON MAR 1	1 600	1984
1985	4.94B AT 18:30 MST ON APR 2	2.21 B ON APR 2	0B ON MAR 1	4 840	1985
1986	3.31 AT 07:30 MST ON JUN 25	3.25 ON JUN 25	0B ON MAR 1	3 560	1986
				2 370	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

THELMA CREEK AT ENGLISH'S RANCH - STATION NO 11AB063

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	0.780	0.317	0.030	0	0	0	0.001	---	---	---	1912
1913	---	---	---	0.882	0.141	0.014	0.015	0	0	0	---	---	---	1913
1914	---	---	---	0.380	0.065	0.022	0	0	0	0.087	---	---	---	1914
1915	---	---	---	0.185	0.041	0.113	0.045	0.001	0	0.008	---	---	---	1915
1916	---	---	0.887	0.408	0.737	1.18	0.330	0.084	0.059	0.072	---	---	---	1916
1917	---	---	---	---	---	0.063	0	0	0	0	---	---	---	1917
1918	---	---	---	1.79	0.133	0.004	---	0	0	0	---	---	---	1918
1919	---	---	---	0.183	0.028	0.002	---	0	0	0	---	---	---	1919
1920	---	---	---	---	0.314	0.008	0.001	0	0	0	---	---	---	1920
1921	---	---	0.127	0.574	0.389	0.020	0.030	0	0	0	---	---	---	1921
1922	---	---	0.011	1.07	0.553	0.046	0	0	0	0	---	---	---	1922
MEAN	---	---	0.342	0.695	0.273	0.137	0.047	0.008	0.005	0.015	---	---	---	MEAN

LOCATION - LAT 49 32 00 N DRAINAGE AREA, 33.2 km²
LONG 110 17 00 W NATURAL FLOW

THELMA CREEK AT ENGLISH'S RANCH - STATION NO 11AB063

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1912	---	---	0 ON JUL 12 *	---	1912
1913	---	3.23 ON APR 16	0 ON APR 1	---	1913
1914	---	---	0 ON JUL 1	---	1914
1915	---	---	0 ON MAY 6	---	1915
1916	---	---	---	---	1916
1917	---	---	0 ON JUN 28	---	1917
1918	---	---	0 ON MAY 20	---	1918
1919	---	---	0 ON JUN 19	---	1919
1920	---	---	0 ON JUN 8	---	1920
1921	---	---	0B ON MAR 20	---	1921
1922	---	5.51B ON APR 22 *	0 ON JUL 3	---	1922
				---	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

THICKWOOD CREEK NEAR FORT MACKAY - STATION NO 07DB004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	---	---	---	0.197	0.359	---	---	1.17	0.281	0.023	---	1976
1977	0.011	0.011	0.006	0.311	0.439	0.788	0.569	0.325	0.221	0.407	0.147	0.019	0.272	1977
MEAN	0.011	0.011	0.006	0.311	0.439	0.493	0.464	0.325	0.221	0.789	0.214	0.021	0.272	MEAN

LOCATION - LAT 56 53 55 N DRAINAGE AREA, 176 km²
LONG 112 10 15 W NATURAL FLOW

THICKWOOD CREEK NEAR FORT MACKAY - STATION NO 07DB004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1976	6 29 IN SEP *	---	---	---	1976
1977	1 21 AT 12 36 MST ON JUN 18	1 17 ON JUN 18 *	08 ON MAR 21 *	8 580	1977
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		8 580	MEAN

THREEHILLS CREEK BELOW RAY CREEK - STATION NO OSCE018

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	0	4 14	0 151	0 051	0 011	0	0	0	---	---	0 534	1971
1972	---	---	0 014	0 919	0 171	0 140	0 029	0 002	0 011	0 010	---	---	0 180	1972
1973	---	---	0 689	0 949	0 118	0 124	0 080	0 037	0 004	0 003	---	---	0 247	1973
1974	---	---	0	3 58	0 822	0 081	0 033	0 001	0 001	0 030	---	---	0 559	1974
1975	---	---	0	1 20	0 535	0 039	0 004	0	0	0	---	---	0 219	1975
1976	---	---	0 001	0 380	0 007	0 021	0 016	0 052	0	0	---	---	0 055	1976
1977	---	---	0	0 198	0 154	0 018	0	0	0	0	---	---	0 046	1977
1978	---	---	0 345	0 285	0 124	0 080	0 012	0 013	0 026	0 032	---	---	0 112	1978
1979	---	---	0 419	0 160	0 083	0 011	0 005	0	0	0	---	---	0 085	1979
1980	---	---	0	0 198	0 001	0 023	0 007	0	0	0	---	---	0 028	1980
1981	---	---	0 228	0 067	0 292	0 011	0 007	0 041	0	0	---	---	0 081	1981
1982	---	---	0 001	1 30	0 087	0 021	0 127	0 010	0 005	0 010	---	---	0 193	1982
1983	---	---	0 351	0 398	0 048	0 003	0 047	0 001	0	0	---	---	0 106	1983
1984	---	---	0 088	0 040	0 014	0 018	0	0	0	0	---	---	0 017	1984
1985	---	---	0 389	0 796	0 024	0 004	0	0	0	0 003	---	---	0 148	1985
1986	---	---	0 292	0 047	0 347	0 012	0 332	0 052	0 124	0 174	---	---	0 174	1986
MEAN	---	---	0 172	0 915	0 186	0 039	0 044	0 013	0 011	0 016	---	---	0 173	MEAN

LOCATION - LAT 57 59 10 N DRAINAGE AREA 197 km^2
LONG 113 34 04 W NATURAL FLOW

THREEHILLS CREEK BELOW RAY CREEK - STATION NO OSCE018

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	24 3 ON APR 15 *	18 6 ON APR 15 *	0 B ON MAR 1 *	11 300	1971
1972	---	5 72 ON APR 7	0 B ON MAR 1	3 380	1972
1973	---	4 78 B ON MAR 25	0 B ON MAR 1	5 220	1973
1974	15 0 AT 00 00 MST ON APR 20	11 4 ON APR 20	0 B ON MAR 1	11 800	1974
1975	6 889 AT 04 00 MST ON APR 22	5 59 B ON APR 22	0 B ON MAR 1	4 640	1975
1976	---	1 76 ON APR 8	0 B ON MAR 1	1 190	1976
1977	---	1 17 ON APR 7	0 ON MAR 1	974	1977
1978	---	3 80 B ON MAR 30	0 B ON MAR 1	2 370	1978
1979	---	2 65 ON MAR 13	0 ON MAR 1	1 800	1979
1980	---	1 39 ON APR 14	0 ON MAR 1	595	1980
1981	---	2 76 ON MAY 7	0 ON JUN 22	1 720	1981
1982	---	9 23 ON APR 14	0 B ON MAR 1	4 080	1982
1983	---	2 62 B ON MAR 31	0 B ON MAR 1	2 240	1983
1984	---	0 3788 ON MAR 28	0 B ON MAR 1	369	1984
1985	---	5 20 ON APR 2	0 ON MAR 1	3 130	1985
1986	---	3 38 ON JUL 19	0 001 ON AUG 31	3 680	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		3 660	MEAN

THREEHILLS CREEK NEAR CARBON - STATION NO. 05CE007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	---	---	0.284	0.128	0.043	0.049	---	---	---	1965
1966	---	---	5.81	5.14	0.279	0.346	0.900	0.116	0.015	0.049	---	---	1.71	1966
1967	---	---	0.078	8.64	2.14	0.298	0.034	0	0	0	---	---	1.38	1967
1968	---	---	0.265	0.182	0.063	0.041	0.235	0.243	0.032	0.105	---	---	0.146	1968
1969	---	---	0.023	14.9	0.298	0.035	0.205	0.008	0.296	0.130	---	---	1.85	1969
1970	---	---	1.02	4.94	0.324	1.79	0.984	0.101	0.017	0.066	---	---	1.14	1970
1971	---	---	0.048	17.7	0.736	0.702	0.043	0.008	0.002	0.013	---	---	2.36	1971
1972	---	---	0.187	0.745	0.182	1.20	0.506	0.018	0.007	0.029	---	---	0.356	1972
1973	---	---	2.41	2.49	0.620	0.435	0.254	0.055	0.141	0.089	---	---	0.809	1973
1974	---	---	0.004	15.1	4.24	0.422	0.080	0.083	0.681	0.080	---	---	2.67	1974
1975	---	---	0	3.33	---	0.245	0.111	0.101	0.298	0.270	---	---	---	1975
1976	---	---	1.25	0.713	0.218	0.134	0.104	0.584	0.023	0.026	---	---	0.382	1976
1977	---	---	0.100	0.775	0.150	0.091	0.068	0.055	0.179	0.151	---	---	0.194	1977
1978	---	---	2.09	2.93	0.231	0.344	0.014	0.042	0.185	0.085	---	---	0.736	1978
1979	---	---	1.72	0.696	0.253	0.070	0.044	0.032	0.003	0.126	---	---	0.370	1979
1980	---	---	0.020	2.17	0.107	0.976	0.408	0.155	0.025	0.053	---	---	0.482	1980
1981	---	---	0.908	0.197	1.33	0.034	0.230	0.075	0.019	0.084	---	---	0.360	1981
1982	---	---	0.702	4.97	0.508	0.080	0.221	0.064	0.102	0.136	---	---	0.850	1982
1983	---	---	0.533	1.55	0.170	0.020	0.018	0	0	0.095	---	---	0.296	1983
1984	---	---	0.202	0.104	0.018	0.044	0.045	0.086	0.007	0.001	---	---	0.064	1984
1985	---	---	1.67	1.43	0.195	0.005	0.009	0.026	0.029	0.051	---	---	0.426	1985
1986	---	---	0.885	0.238	0.928	0.865	0.563	0.187	0.179	0.426	---	---	0.535	1986
MEAN	---	---	0.996	4.28	0.654	0.389	0.242	0.099	0.104	0.095	---	---	0.861	MEAN

LOCATION - LAT 51 33 53 N, LONG 113 04 18 W. DRAINAGE AREA 1 070 km². REGULATED

THREEHILLS CREEK NEAR CARBON - STATION NO. 05CE007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1965	---	---	---	---	1965
1966	38.8 B AT 23:00 MST ON MAR 28	25.9 ON APR 1	0 B ON MAR 1 *	35 100	1966
1967	22.5 B AT 21:45 MST ON APR 4	18.3 ON APR 15	0 B ON MAR 19	29 200	1967
1968	1.26 AT 02:53 MST ON JUL 29	1.20 ON JUL 29	0 ON MAY 25	3 100	1968
1969	---	72.5 ON APR -- *	0 B ON MAR 1	41 200	1969
1970	15.8 AT 07:00 MST ON APR 10	15.4 ON APR 10	0 B ON MAR 1	24 100	1970
1971	53.2 B AT 22:30 MST ON APR 9	42.2 B ON APR 9	0 B ON MAR 1	50 100	1971
1972	10.2 AT 05:00 MST ON JUN 13	7.84 ON JUN 13	0 B ON MAR 1	7 530	1972
1973	10.4 B AT 12:45 MST ON MAR 30	9.268 ON MAR 30	0 B ON MAR 1	17 100	1973
1974	50.4 B AT 14:50 MST ON APR 15	45.0 B ON APR 15	0 B ON MAR 1	56 600	1974
1975	15.0 B AT 19:20 MST ON APR 20	12.9 B ON APR 20	0 B ON MAR 1	---	1975
1976	6.718 AT 17:00 MST ON MAR 23	5.668 ON MAR 23	0 ON SEP 30	8 090	1976
1977	6.548 AT 21:00 MST ON APR 6	4.768 ON APR 6	0 B ON MAR 1	4 110	1977
1978	19.4 AT 02:00 MST ON MAR 30	15.5 ON MAR 30	0 B ON MAR 1	15 600	1978
1979	---	3.768 ON MAR 16	0 B ON MAR 1	7 820	1979
1980	84.0 AT 21:45 MST ON JUN 17 *	5.188 ON APR 13	0 B ON MAR 1	10 200	1980
1981	10.3 AT 00:25 MST ON MAY 8	7.80 ON MAY 8	0.003 ON SEP 18	7 520	1981
1982	15.8 B AT 17:54 MST ON APR 14	14.9 B ON APR 14	0 B ON MAR 1	18 000	1982
1983	---	4.478 ON APR 5	0 A ON JUN 13	6 280	1983
1984	5.98 AT 01:14 MST ON AUG 4	1.86 ON AUG 4	0 B ON MAR 1	1 350	1984
1985	---	5.738 ON MAR 18	0 B ON MAR 1	8 030	1985
1986	8.31 AT 21:40 MST ON JUN 5	5.10 ON JUN 5	0.007 ON SEP 15	11 300	1986
				18 200	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX). B - ICE CONDITIONS. * - EXTREME RECORDED FOR THE PERIOD OF RECORD

THREEHILLS CREEK NEAR TROCHU - STATION NO. 05CE015

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	0.013	0.004	0.007	0.009	---	---	---	1967
1968	---	---	0.383	0.157	0.017	0.014	0.172	0.117	0.017	0.047	---	---	---	1968
1969	---	---	0.008	6.09	0.139	0.052	0.208	0.040	0.186	0.068	---	---	---	1969
MEAN	---	---	0.196	3.12	0.078	0.033	0.131	0.054	0.063	0.041	---	---	---	MEAN

LOCATION - LAT 51 51 30 N, LONG 113 25 30 W. DRAINAGE AREA 456 km². NATURAL FLOW

THREEHILLS CREEK NEAR TROCHU - STATION NO. 05CE015

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1967	---	---	---	---	1967
1968	---	1.708 ON MAR 6	---	---	1968
1969	---	33.4 A ON APR 7 *	0B ON FEB 27 *	---	1969
				---	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX). B - ICE CONDITIONS. * - EXTREME RECORDED FOR THE PERIOD OF RECORD

THREEPOINT CREEK NEAR MILLARVILLE - STATION NO 05BL013

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	6 43	11 8	6 80	6 21	2 01	0 312	0 255	---	---	---	1909
1912	---	---	---	2 96	4 42	5 09	12 5	3 47	1 22	1 73	---	---	---	1912
1913	---	---	---	---	4 88	4 54	4 29	2 36	0 839	0 573	---	---	---	1913
1914	---	---	---	---	3 40	2 76	0 984	0 207	0 228	1 59	---	---	---	1914
1915	---	---	---	0 912	14 3	16 5	13 2	4 18	2 88	2 88	---	---	---	1915
1916	---	---	---	5 18	7 81	17 8	3 58	11 3	9 67	4 59	---	---	---	1916
1965	---	---	---	---	---	---	---	2 91	4 24	2 88	---	---	---	1965
1966	---	---	0 726	1 19	5 87	8 70	3 25	1 12	0 399	0 387	---	---	2 70	1966
1967	---	---	0 174	2 59	19 5	18 9	1 91	0 324	0 104	0 095	---	---	5 42	1967
1968	---	---	0 244	0 835	2 94	5 13	1 18	0 910	1 21	2 05	0 621	0 195	1 80	1968
1969	0 055	0 081	0 727	7 45	8 20	16 1	12 6	0 576	0 310	0 305	---	---	5 75	1969
1970	---	---	0	1 97	6 34	8 84	1 11	0 138	0 068	0 152	---	---	2 31	1970
1971	---	---	0 020	3 86	3 41	5 92	0 509	0 081	0 085	0 187	---	---	1 72	1971
1972	---	---	2 28	4 92	8 31	4 70	1 83	0 718	0 501	0 512	---	---	2 94	1972
1973	---	---	1 20	3 03	8 78	5 95	0 840	0 531	0 831	0 395	---	---	2 69	1973
1974	---	---	0 427	7 55	16 5	7 81	0 930	0 835	0 570	0 429	---	---	4 35	1974
1975	---	---	0 019	2 99	6 05	5 79	1 80	0 520	0 194	0 165	---	---	2 16	1975
1976	---	---	0 066	1 72	2 89	0 975	0 282	3 85	0 677	0 311	---	---	1 35	1976
1977	---	---	0 193	1 68	2 21	0 967	0 285	0 723	0 872	0 748	---	---	0 954	1977
1978	---	---	2 12	3 30	6 51	6 47	2 79	1 33	1 08	0 528	---	---	3 01	1978
1979	---	---	1 53	3 37	5 86	1 90	0 835	0 198	0 045	0 059	---	---	1 70	1979
1980	---	---	0 022	3 47	3 24	7 24	0 523	0 852	1 42	0 645	---	---	2 15	1980
1981	---	---	0 315	0 803	14 4	8 98	3 70	2 11	0 456	0 298	---	---	3 87	1981
1982	---	---	0 015	1 32	1 24	4 89	2 34	0 271	0 347	0 424	---	---	1 32	1982
1983	---	---	0 217	2 89	4 87	1 88	1 80	0 402	0 030	0 079	---	---	1 50	1983
1984	---	---	0 045	0 513	1 10	2 59	0 380	0 045	0 035	0 047	---	---	0 589	1984
1985	---	---	0 228	2 42	2 78	1 25	0 093	0 712	4 82	1 35	---	---	1 87	1985
1986	---	---	1 25	1 25	5 46	2 20	1 91	0 730	1 89	4 58	---	---	2 41	1986
MEAN	0 055	0 081	0 583	2 95	5 77	5 58	3 00	1 54	1 24	0 996	0 621	0 195	2 49	MEAN

LOCATION - LAT 50 48 14 N DRAINAGE AREA 507 km²
LONG 114 16 39 W NATURAL FLOW

THREEPOINT CREEK NEAR MILLARVILLE - STATION NO 05BL013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1909	---	23 1 ON MAY 24	---	---	1909
1912	---	25 5 ON JUL 8	---	---	1912
1913	---	15 5 ON MAY 14	---	---	1913
1914	---	8 01 ON JUN 14	---	---	1914
1915	159 ON JUN 28	80 0 ON JUN 28	---	---	1915
1916	---	47 0 ON AUG 18	---	---	1916
1965	---	---	---	---	1965
1966	32 8 AT 06 00 MST ON JUN 10	24 6 ON JUN 5	0 0598 ON MAR 1	57 000	1966
1967	283 AT 22 00 MST ON MAY 30 *	184 ON MAY 31 *	0 0288 ON MAR 1	115 000	1967
1968	26 0 AT 10 15 MST ON JUN 8	20 2 ON JUN 8	0 0858 ON MAR 1	38 200	1968
1969	146 AT 14 25 MST ON JUN 29	108 ON JUN 29	0 0458 ON MAR 9	122 000	1969
1970	75 9 AT 08 35 MST ON JUN 14	56 1 ON JUN 14	0 B ON MAR 1 *	48 900	1970
1971	41 6 AT 13 00 MST ON JUN 6	30 9 ON JUN 6	0 0088 ON MAR 1	38 300	1971
1972	27 3 AT 22 00 MST ON APR 5	18 0 ON APR 5	0 0148 ON MAR 11	62 400	1972
1973	32 8 AT 18 00 MST ON MAY 26	24 6 ON MAY 27	0 1278 ON MAR 1	56 800	1973
1974	53 8 AT 23 30 MST ON APR 30	34 3 ON APR 30	0 0258 ON MAR 8	52 100	1974
1975	33 1 AT 20 00 MST ON JUN 20	28 9 ON JUN 20	0 0148 ON MAR 8	45 800	1975
1976	17 4 AT 20 00 MST ON AUG 9	13 0 ON AUG 10	0 0148 ON MAR 2	28 500	1976
1977	17 3 AT 22 30 MST ON APR 4	7 85 ON APR 5	0 0578 ON MAR 1	20 200	1977
1978	37 1 AT 08 00 MST ON MAY 31	27 3 ON MAY 31	0 0408 ON MAR 1	83 700	1978
1979	10 4 AT 03 00 MST ON APR 28	9 03 ON MAY 17	0 0178 ON MAR 1	36 000	1979
1980	38 5 AT 02 30 MST ON JUN 4	31 7 ON JUN 4	0 0148 ON MAR 24	45 500	1980
1981	45 2 AT 02 30 MST ON JUN 14	34 3 ON JUN 14	0 1198 ON MAR 9	81 800	1981
1982	18 1 AT 07 12 MST ON JUN 28	14 3 ON JUN 30	0 0088 ON MAR 1	27 900	1982
1983	32 6 AT 08 29 MST ON APR 25	21 6 ON APR 25	0 021 ON SEP 5	31 800	1983
1984	7 86 AT 13 00 MST ON JUN 9	7 12 ON JUN 9	0 0208 ON MAR 3	12 500	1984
1985	40 1 AT 05 07 MST ON SEP 13	33 7 ON SEP 13	0 0178 ON MAR 14	35 400	1985
1986	13 0 AT 00 18 MST ON SEP 27	11 5 ON MAY 22	0 341 ON AUG 29	51 100	1986
				52 800	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

TINDASTOLL CREEK NEAR MARKERVILLE - STATION NO 05CC012

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1985	---	---	---	---	---	---	0 956	0 076	0 181	0 230	---	---	---	1985
MEAN	---	---	---	---	---	---	0 956	0 076	0 181	0 230	---	---	---	MEAN

LOCATION - LAT 52 05 52 N
LONG 114 07 10 W NATURAL FLOW

TINDASTOLL CREEK NEAR MARKERVILLE - STATION NO 05CC012

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1985	6 14 AT 16 17 MST ON JUL 19 *	4 05 ON JUL 19 *	---	---	1985
	* - EXTREME RECORDED FOR THE PERIOD OF RECORD			---	MEAN

TODD CREEK AT ELTON'S RANCH - STATION NO 05AA005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	0 582	0 219	0 192	---	---	---	1909
1910	---	---	---	0 279	0 542	0 306	0 104	0 080	0 089	0 094	---	---	0 211	1910
1911	---	---	---	---	1 48	1 22	0 395	0 521	0 631	0 425	---	---	---	1911
1912	---	---	---	---	0 846	0 589	0 603	0 409	0 272	0 241	---	---	---	1912
1913	---	---	---	---	1 23	1 21	0 397	0 307	0 136	0 184	---	---	---	1913
1914	---	---	---	0 820	0 854	0 586	0 294	0 173	0 183	0 272	---	---	0 418	1914
1915	---	---	---	0 561	1 85	2 41	1 60	0 485	0 315	0 380	---	---	1 08	1915
1916	---	---	---	---	1 24	1 94	1 37	0 389	0 283	0 205	---	---	---	1916
1974	---	---	---	---	1 44	1 53	0 554	0 294	0 157	0 132	---	---	---	1974
1975	---	---	---	---	1 15	1 57	0 685	0 292	0 132	0 146	---	---	---	1975
1976	---	---	---	---	0 696	0 473	0 191	2 01	0 438	0 280	---	---	---	1976
1977	---	---	---	---	0 184	0 120	0 040	0 080	0 110	0 114	---	---	---	1977
1978	---	---	---	---	1 80	1 41	1 37	0 456	0 311	0 198	---	---	---	1978
1979	---	---	---	---	1 46	0 890	0 289	0 188	0 094	0 115	---	---	---	1979
1980	---	---	---	---	---	0 416	0 496	0 134	0 139	0 077	0 141	---	---	1980
1981	---	---	---	---	---	1 94	1 49	0 618	0 238	0 115	0 118	---	---	1981
1982	---	---	---	0 781	0 447	0 789	0 326	0 102	0 075	0 083	---	---	0 386	1982
1983	---	---	---	0 374	0 305	0 288	0 172	0 043	0 019	0 083	---	---	0 180	1983
1984	---	---	---	0 121	0 113	0 185	0 080	0 018	0 010	0 020	---	---	0 078	1984
1985	---	---	---	0 185	0 127	0 129	0 014	0 028	0 082	0 144	---	---	0 101	1985
1986	---	---	---	0 485	0 942	0 700	0 455	0 377	---	---	---	---	---	1986
MEAN	---	---	---	0 451	0 938	0 815	0 484	0 334	0 186	0 174	---	---	0 348	MEAN

LOCATION - LAT 49 39 27 N DRAINAGE AREA 144 km^2
LONG 114 07 27 W NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1913

TODD CREEK AT ELTON'S RANCH - STATION NO 05AA005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	0 884 ON MAY 19	0 020 ON AUG 21	3 900	1910
1911	---	4 11 ON MAY 17	---	---	1911
1912	---	1 84 ON JUN 16	---	---	1912
1913	---	2 94 ON APR 18	---	---	1913
1914	---	1 70 ON JUN 26	0 089 ON AUG 15	7 720	1914
1915	---	7 87 ON JUN 26	0 249 ON SEP 2	20 000	1915
1916	---	3 68 ON JUN 29	---	---	1916
1974	---	2 23 ON MAY 20	---	---	1974
1975	10 5 ON JUN 20 *	5 66 ON JUN 20	---	---	1975
1976	---	12 4 ON AUG 5 *	---	---	1976
1977	---	0 280 ON MAY 23	0 ON JUL 19 *	---	1977
1978	---	5 66 ON JUL 8	---	---	1978
1979	---	2 08 ON MAY 3	---	---	1978
1980	---	2 16 ON JUN 6	---	---	1980
1981	---	8 56 ON JUN 14	---	---	1981
1982	---	3 23 ON JUN 15	0 005 ON SEP 10	5 770	1982
1983	---	C 705 ON APR 25	0 ON AUG 31	3 330	1983
1984	---	C 695 ON MAY 17	0 ON AUG 17	1 440	1984
1985	---	0 378 ON APR 3	0 E ON JUL 12	1 850	1985
1986	---	1 22 ON MAY 28	---	---	1986
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		5 430	MEAN

TODD CREEK NEAR HIGHWAY NO 22 - STATION NO 05AA909

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	---	0 423	0 595	---	---	---	0 104	---	---	---	1982
1983	---	---	---	0 320	0 290	0 321	0 192	0 081	0 080	0 068	---	---	0 171	1983
1984	---	---	---	---	0 258	0 256	0 103	---	---	0 043	---	---	---	1984
1985	---	---	---	---	0 133	0 215	0 100	0 110	0 186	0 236	---	---	0 183	1985
1986	---	---	0 374	0 415	0 902	0 948	0 290	0 103	0 187	0 252	---	---	0 446	1986
MEAN	---	---	0 374	0 368	0 401	0 487	0 171	0 098	0 151	0 140	---	---	0 280	MEAN

LOCATION - LAT 49 45 40 N DRAINAGE AREA 73 8 km^2 DATA CONTRIBUTED BY -
LONG 114 14 00 W NATURAL FLOW ALBERTA DEPARTMENT OF THE ENVIRONMENT

TODD CREEK NEAR HIGHWAY NO 22 - STATION NO 05AA909

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	---	---	---	---	1982
1983	2.08 AT 14 50 MST ON JUN 25	0.848 ON JUN 4	0.050 ON SEP 2	2 720	1983
1984	---	1.34 ON MAY 15	---	---	1984
1985	5.01 AT 14 10 MST ON OCT 15	0.789 ON SEP 12	0.021 ON AUG 26 *	2 590	1985
1986	8.14 AT 17 10 MST ON OCT 9 *	2.02 ON MAY 31 *	0.045 ON AUG 28	7 080	1986
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		4 130	MEAN

TOMAHAWK CREEK NEAR TOMAHAWK - STATION NO 05DE009

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	---	---	---	---	0.081	0.004	0.217	0.255	---	---	---	1984
1985	---	---	0.049	2.84	0.246	0.147	0.030	0.031	0.055	0.132	---	---	0.415	1985
1986	---	---	0.614	0.318	0.362	0.035	2.47	0.218	0.135	0.273	---	---	0.557	1986
MEAN	---	---	0.332	1.48	0.289	0.093	0.694	0.084	0.149	0.220	---	---	0.486	MEAN

LOCATION - LAT 53 24 21 N
LONG 114 45 41 W
DRAINAGE AREA, 105 km^2
NATURAL FLOW

TOMAHAWK CREEK NEAR TOMAHAWK - STATION NO 05DE009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	---	---	---	---	1984
1985	---	5.008 ON APR 2	0.0038 ON JUL 31 *	8 780	1985
1986	23.0 AT 05 47 MST ON JUL 18 *	21.1 ON JUL 18 *	0.004 ON JUN 29	11 800	1986
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		10 300	MEAN

B - ICE CONDITIONS
E - ESTIMATED

TONGUEFLAG CREEK NEAR HIGH RIVER - STATION NO 05BL016

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1923	---	---	0.188	0.098	0.058	1.51	0.431	---	---	---	---	---	---	1923
1924	---	---	0.089	0.686	0.114	0.218	---	---	---	---	---	---	---	1924
1925	---	---	0.903	0.738	0.084	0.211	---	---	---	---	---	---	---	1925
1930	---	---	---	0.991	0.298	0.449	0.077	0.004	0.008	0.035	---	---	---	1930
1931	---	---	---	0.453	---	---	---	---	---	---	---	---	---	1931
1935	---	---	---	---	---	---	---	---	---	---	---	---	---	1935
1936	---	---	0.495	---	0.073	0.084	---	---	0.041	0.046	---	---	---	1936
MEAN	---	---	0.369	0.591	0.135	0.485	0.254	0.004	0.025	0.041	---	---	---	MEAN

LOCATION - LAT 50 35 00 N
LONG 113 52 00 W
DRAINAGE AREA, 287 km^2
NATURAL FLOW

TONGUEFLAG CREEK NEAR HIGH RIVER - STATION NO 05BL016

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1923	---	---	---	---	1923
1924	---	12.8 ON JUN 23 *	08 ON MAR 3 *	---	1924
		5.618 ON APR 7	---	---	1925
1925	---	5.38 ON MAR 26	---	---	1930
1930	---	---	---	---	1931
1931	---	4.538 ON APR 6	0 ON AUG 14	---	1935
1935	---	---	---	---	1936
1936	---	---	---	---	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

TOUCH CREEK NEAR BEAZER - STATION NO. 05AE039

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	0.343	0.735	0.586	0.294	0.160	0.176	---	---	---	---	1978
1979	---	---	---	---	1.39	0.443	0.133	0.061	0.028	0.047	---	---	0.346	1979
1980	---	---	---	---	1.10	0.754	0.137	0.120	0.117	0.106	---	---	0.366	1980
1981	---	---	---	---	2.41	0.956	0.267	0.071	0.026	0.052	0.048	0.021	0.632	1981
1982	---	---	---	---	0.388	0.458	0.124	0.026	0.030	0.057	---	---	0.182	1982
1983	---	---	---	---	0.388	0.300	0.069	0.019	0.020	0.034	---	---	0.116	1983
1984	---	---	---	---	0.105	0.093	---	---	0.011	0.013	---	---	---	1984
1985	---	---	---	0.390	0.356	0.231	0.027	0.048	0.269	0.486	---	---	0.233	1985
1986	---	---	0.801	0.579	0.773	0.251	0.084	0.025	0.119	0.278	---	---	0.255	1986
MEAN	---	---	0.801	0.404	0.849	0.441	0.134	0.060	0.088	0.135	0.048	0.021	0.308	MEAN

LOCATION - LAT 49 04 00 N, LONG 113 32 00 W
DRAINAGE AREA, 38.6 km²
NATURAL FLOW

DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

TOUCH CREEK NEAR BEAZER - STATION NO. 05AE039

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	---	---	---	---	1978
1979	2.50 AT 00:00 MST ON MAY 18	1.91 ON MAY 17	0.027 ON SEP 10	5 510	1979
1980	13.1 AT 13:30 MST ON MAY 26	11.5 ON MAY 26 *	0.051 ON AUG 2	6 180	1980
1981	13.8 AT 16:20 MST ON MAY 15 *	8.44 ON MAY 22	0.018 ON SEP 20	10 000	1981
1982	---	0.835 ON JUN 7	0.020 ON AUG 17	2 880	1982
1983	0.793 AT 12:40 MST ON MAY 21	0.705 ON MAY 21	0.016 ON AUG 14	1 880	1983
1984	---	0.306 ON JUN 22	---	---	1984
1985	1.06 AT 14:00 MST ON SEP 12	0.770 ON OCT 15	0.013 ON JUL 25	3 700	1985
1986	---	1.28 ON MAY 5	0.012 ON AUG 29 *	4 060	1986
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		4 890	MEAN

TRAP CREEK NEAR LONGVIEW - STATION NO. 05BL027

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1979	---	---	---	---	---	2.73	1.12	---	---	0.484	---	---	---	1979
1980	---	---	---	---	2.48	4.41	1.14	1.40	1.24	1.10	---	---	1.95	1980
1981	---	---	---	---	6.68	4.51	3.04	1.82	1.01	0.848	---	---	2.97	1981
1982	---	---	---	---	1.15	3.12	1.41	0.585	0.585	0.585	---	---	1.33	1982
1983	---	---	---	---	2.80	2.04	1.27	0.939	0.482	0.427	---	---	1.38	1983
1984	---	---	---	---	1.19	2.25	0.934	0.484	0.391	0.341	---	---	0.933	1984
1985	---	---	---	---	1.32	1.52	0.618	0.667	2.38	1.34	---	---	1.34	1985
1986	---	---	---	---	3.49	3.09	1.12	0.601	1.15	1.89	---	---	1.89	1986
MEAN	---	---	---	---	3.73	2.96	1.33	0.856	1.03	0.836	---	---	1.85	MEAN

LOCATION - LAT 50 28 35 N, LONG 114 35 28 W
DRAINAGE AREA, 137 km²
NATURAL FLOW

TRAP CREEK NEAR LONGVIEW - STATION NO. 05BL027

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1979	12.4 AT 23:00 MST ON MAY 26	8.99 ON MAY 26	---	---	1979
1980	10.9 AT 22:00 MST ON JUN 9	8.81 ON JUN 10	0.880 ON AUG 4	31 000	1980
1981	33.8 E ON MAY 26 *	22.4 A ON MAY 26 *	0.593 ON OCT 23	47 200	1981
1982	4.83 AT 22:33 MST ON JUN 14	3.98 ON JUN 11	0.677 ON SEP 3	19 800	1982
1983	---	4.23 ON MAY 26	0.394 ON OCT 31	20 300	1983
1984	4.19 AT 21:22 MST ON MAY 30	3.16 ON JUN 23	0.1808 ON OCT 31 *	14 700	1984
1985	17.4 AT 14:36 MST ON SEP 12	9.27 ON SEP 13	0.450 ON AUG 7	31 300	1985
1986	10.5 AT 21:26 MST ON MAY 26	8.84 ON MAY 27	0.603 ON AUG 29	30 000	1986
				35 300	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

TROUT CREEK NEAR GRANUM - STATION NO 05AB005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	---	---	---	---	1.41	0.850	0.776	---	---	---	1908
1911	---	---	---	0.353	0.728	1.02	0.550	2.05	3.13	1.52	---	---	---	1911
1912	---	---	---	1.21	1.73	1.87	1.96	1.26	0.722	0.605	---	---	---	1912
1913	---	---	---	---	2.75	2.33	2.33	0.999	0.514	0.490	---	---	---	1913
1914	---	---	---	0.956	0.845	0.480	0.455	0.289	0.185	0.303	---	---	---	1914
1915	---	---	---	0.729	5.84	8.83	7.06	2.77	1.27	0.802	---	---	---	1915
1916	---	---	---	---	2.61	9.48	3.11	1.42	1.83	1.22	---	---	---	1916
1917	---	---	---	0.847	8.74	11.3	2.89	1.12	0.747	0.483	---	---	---	1917
1918	---	---	---	0.545	0.393	0.484	0.301	0.177	0.189	0.352	---	---	---	1918
1919	---	---	0.085	0.387	0.487	0.284	0.095	0.081	0.077	0.092	---	---	0.196	1919
1922	---	---	0.110	1.22	2.00	1.17	0.721	0.234	0.121	0.132	---	---	0.712	1922
1923	---	---	0.201	0.415	0.908	14.8	5.06	1.74	0.867	0.535	---	---	3.04	1923
1977	---	---	---	---	---	0.058	0.010	0.026	0.040	0.048	---	---	---	1977
1978	---	---	1.06	0.473	1.87	3.47	1.09	0.537	0.432	0.295	---	---	1.15	1978
1979	---	---	0.535	0.875	2.71	1.49	0.501	0.251	0.136	0.124	---	---	0.827	1979
1980	---	---	0.288	0.469	0.236	0.507	0.117	0.087	0.085	0.098	---	---	0.232	1980
1981	---	---	0.136	0.103	2.55	3.09	1.33	0.870	0.297	0.249	---	---	1.09	1981
1982	---	---	0.211	0.532	0.186	0.618	0.485	0.127	0.081	0.100	---	---	0.291	1982
1983	---	---	0.238	0.218	0.177	0.216	0.129	0.003	0	0.008	---	---	0.121	1983
1984	---	---	0.104	0.087	0.055	0.029	0	0	0	0	---	---	0.034	1984
1985	---	---	0.072	0.101	0.012	0.008	0	0	0.032	0.160	---	---	0.048	1985
1986	---	---	0.338	0.247	0.593	0.572	0.238	0.058	0.148	0.124	---	---	0.289	1986
MEAN	---	---	0.280	0.532	1.78	2.98	1.36	0.705	0.533	0.392	---	---	0.889	MEAN

LOCATION - LAT 49 58 35 N DRAINAGE AREA 440 km²
LONG 113 41 07 W NATURAL FLOW

TROUT CREEK NEAR GRANUM - STATION NO 05AB005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1908	---	---	---	---	1908
1911	---	4.56 ON SEP 11	---	---	1911
1912	---	3.20 ON JUN 16	---	---	1912
1913	---	4.28 ON JUN 11	---	---	1913
1914	---	1.42 ON APR 13	---	---	1914
1915	---	20.0 ON JUN 26	---	---	1915
1916	---	20.8 ON JUN 5	---	---	1916
1917	---	23.3 ON MAY 29	---	---	1917
1918	---	---	---	---	1918
1919	---	1.27 B ON APR 1	0 B ON MAR 1 *	4 140	1919
1922	---	4.52 ON APR 23	0 B ON MAR 1	15 100	1922
1923	---	42.2 ON JUN 1 *	0 1168 ON MAR 1	64 200	1923
1977	0.239 AT 05 15 MST ON JUN 16	---	0 ON JUL 18	---	1977
1978	7.55 AT 13 25 MST ON JUN 2	7.33 ON JUN 2	0 B ON MAR 1	24 300	1978
1979	4.25 AT 00 35 MST ON MAY 19	3.87 ON MAY 19	0 0408 ON MAR 1	17 500	1979
1980	1.09 AT 14 35 MST ON APR 15	0.915 ON APR 15	0 019 ON SEP 11	4 910	1980
1981	10.4 AT 21 50 MST ON MAY 24 *	7.85 ON MAY 24	0 0408 ON MAR 5	23 100	1981
1982	2.21 AT 00 30 MST ON JUN 8	1.82 ON JUN 8	0 B ON MAR 1	8 160	1982
1983	3.04 B AT 12 15 MST ON MAR 10	1.08 B ON MAR 10	0 ON AUG 2	2 560	1983
1984	0.188 AT 08 10 MST ON MAR 24	0.183 ON MAR 24	0 ON JUN 6	724	1984
1985	0.433 AT 01 09 MST ON SEP 13	0.383 ON MAR 18	0 ON MAR 1	1 020	1985
1986	---	0.922 ON MAY 28	0 ON AUG 24	5 120	1986
				14 200	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

TWELVE MILE COULEE SPILLWAY NEAR CARSELAND - STATION NO 05BM005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1951	---	---	---	---	---	2.73	2.23	1.58	2.46	1.47	---	---	---	1951
1952	---	---	---	---	0.486	0.887	1.03	0.170	0.575	0.979	---	---	0.887	1952
1953	---	---	---	---	---	1.44	1.15	0.716	0.831	2.05	---	---	---	1953
1954	---	---	---	---	1.07	1.42	1.15	0.845	0.730	1.33	---	---	1.01	1954
1955	---	---	---	---	0.586	1.63	2.03	0.910	0.948	1.18	---	---	1.20	1955
1956	---	---	---	---	0.246	1.27	1.25	1.24	0.084	1.26	---	---	0.894	1956
1957	---	---	---	---	0.733	1.67	0.410	0.768	1.11	0.939	---	---	0.938	1957
1958	---	---	---	---	0.883	0.983	0.981	0.117	1.41	0.885	---	---	0.838	1958
1959	---	---	---	---	1.01	1.04	0.453	0.808	0.749	1.54	---	---	0.900	1959
1960	---	---	---	---	0.387	1.63	0.604	0.469	0.111	0.148	---	---	0.551	1960
1961	---	---	---	---	1.06	0.385	0.011	0.057	0.870	0.207	---	---	0.445	1961
1962	---	---	---	---	0.554	0.095	0.101	0.335	1.52	1.80	---	---	0.736	1962
1963	---	---	---	---	1.02	0.892	1.81	0.845	1.76	1.38	---	---	1.25	1963
1964	---	---	---	---	0.891	0.700	0.105	0.181	0.576	1.05	---	---	0.550	1964
1965	---	---	---	---	0.596	1.47	0.131	0.307	1.16	1.88	---	---	0.885	1965
1966	---	---	---	---	0.482	1.17	1.15	0.065	0.188	0.902	---	---	0.856	1966
1967	---	---	---	---	0.876	1.24	0.458	0.148	0.042	0.488	---	---	0.513	1967
1968	---	---	---	---	0.543	0.989	0.344	0.276	0.524	0.823	---	---	0.582	1968
1969	---	---	---	---	0.044	0.357	0.227	0.036	0.032	0.213	---	---	0.151	1969
1970	---	---	---	---	0.721	0.843	0.372	0.278	0.288	1.78	---	---	0.718	1970
1971	---	---	---	---	0.644	0.684	0.892	0.052	0.089	1.27	---	---	0.570	1971
1972	---	---	---	---	0.130	0.368	0.071	0.018	0.002	0.803	---	---	0.182	1972
1973	---	---	---	---	0.700	0.845	0.086	0.284	0.035	0.911	---	---	0.448	1973
1974	---	---	---	---	0.312	0.881	0.587	0.078	0.384	0.845	0.089	---	0.471	1974
1975	---	---	---	---	0.268	0.758	0.536	0.822	0.447	0.459	---	---	0.512	1975
1976	---	---	---	---	0.454	1.17	0.880	0.745	2.72	0.127	---	---	1.02	1976
1977	---	---	---	---	0.083	0.075	0.035	0.046	0.077	0.858	0.228	---	0.187	1977
1978	---	---	---	---	0.308	0.235	0.255	0.449	0.361	0.418	---	---	0.336	1978
1979	---	---	---	---	0.288	0.217	0.849	0.500	0.370	0.028	---	---	0.376	1979
1980	---	---	---	---	0.473	0.981	0.263	0.185	0.187	0.055	---	---	0.350	1980
1981	---	---	---	---	0.587	0.098	1.01	0.299	0.025	0.481	---	---	0.421	1981
1982	---	---	---	---	0.038	0.004	0.016	0.107	0.085	0.035	---	---	0.045	1982
1983	---	---	---	---	0.071	0	0.048	0.131	0.351	0.117	---	---	0.119	1983
1984	---	---	---	---	0.081	0.224	0.257	0.220	0.116	0.091	0.017	---	0.181	1984
1985	---	---	---	---	0.025	0.035	0.110	0.081	0.388	0.023	---	---	0.108	1985
1986	---	---	---	---	0.040	0.044	0.047	0.048	0.144	0.180	---	---	0.084	1986
MEAN	---	---	---	---	0.473	0.798	0.607	0.377	0.605	0.781	0.112	---	0.557	MEAN

LOCATION - LAT 50 50 24 N
LONG 113 34 26 W REGULATED

TWELVE MILE COULEE SPILLWAY NEAR CARSELAND - STATION NO 05BM005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1951	---	3.34 ON SEP 1	---	---	1951
1952	---	2.56 ON OCT 7	0.033 ON MAY 13	10 900	1952
1953	---	6.12 ON OCT 10 *	---	---	1953
1954	---	3.41 ON OCT 7	0 E ON MAY 25 *	10 800	1954
1955	---	5.82 ON JUL 4	0.020 ON JUN 8	10 000	1955
1956	---	4.33 ON AUG 26	0.031 ON MAY 21	14 200	1956
1957	---	2.97 ON JUN 10	0.042 ON MAY 28	14 800	1957
1958	---	3.82 ON JUL 2	0.003 ON MAY 4	13 300	1958
1959	---	3.00 ON MAY 5	0.020 ON JUL 20	14 300	1959
1960	---	2.93 ON JUN 23	0 ON OCT 18	8 780	1960
1961	---	3.06 ON MAY 22	0.006 ON JUL 10	7 090	1961
1962	---	2.76 ON OCT 19	0.008 ON MAY 17	11 700	1962
1963	---	4.70 ON JUL 5	0.040 ON MAY 28	19 800	1963
1964	---	2.83 ON OCT 13	0.008 ON JUL 16	8 740	1964
1965	---	2.97 ON JUN 18	0 ON JUL 28	14 100	1965
1966	---	3.66 ON OCT 14	0.034 ON MAY 19	10 400	1966
1967	---	2.15 ON JUN 13	0.014 ON OCT 15	8 180	1967
1968	---	2.36 ON OCT 8	0.0148 ON MAY 1	9 250	1968
1969	---	1.74 ON JUL 9	0.008 ON MAY 11	2 400	1969
1970	---	3.66 ON OCT 8	0.008 ON MAY 1	11 400	1970
1971	---	2.72 ON OCT 14	0.023 ON SEP 27	9 050	1971
1972	---	3.01 ON OCT 8	0 ON AUG 31	2 900	1972
1973	---	2.78 ON OCT 9	0.025 ON SEP 27	7 120	1973
1974	---	3.10 ON JUN 27	0.028 ON SEP 16	7 480	1974
1975	---	2.52 ON MAY 16	0.0198 ON OCT 29	8 150	1975
1976	---	3.48 ON SEP 11	0.054 ON MAY 17	15 300	1976
1977	---	1.61 ON OCT 7	0.018 ON AUG 1	3 130	1977
1978	---	1.85 ON OCT 8	0.034 ON OCT 30	5 350	1978
1979	---	1.36 A ON JUL 17	0.004 ON OCT 13	5 880	1979
1980	---	3.82 ON JUN 28	0 ON MAY 3	5 570	1980
1981	---	2.52 ON JUL 18	0.006 ON JUN 26	8 690	1981
1982	0.590 AT 17.27 MST ON MAY 18 *	0.338 ON MAY 19	0 ON MAY 22	708	1982
1983	---	0.578 ON SEP 28	0 ON MAY 31	1 890	1983
1984	---	0.841 ON JUN 10	0 ON MAY 1	2 580	1984
1985	---	0.707 ON SEP 28	0 ON JUN 12	1 890	1985
1986	---	0.836 ON SEP 26	0 ON MAY 3	1 330	1986
				8 880	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

TWELVE MILE CREEK NEAR CECIL - STATION NO 05BN002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1951	---	---	---	---	---	2.32	1.14	1.08	---	---	---	---	---	1951
1952	---	---	---	---	---	2.03	1.54	1.06	0.981	1.85	---	---	---	1952
1953	---	---	---	---	0.970	4.29	1.35	1.92	1.39	2.15	---	---	2.00	1953
1954	---	---	---	---	0.378	1.95	1.13	2.37	2.27	1.97	---	---	1.67	1954
1955	---	---	---	---	0.183	0.487	1.42	2.09	1.19	1.35	---	---	1.12	1955
1956	---	---	---	---	0.261	1.42	1.40	1.47	1.05	1.77	---	---	1.23	1956
1957	---	---	---	---	0.285	1.09	0.500	2.03	1.15	1.85	---	---	1.12	1957
1958	---	---	---	---	0.240	1.00	1.72	1.85	1.44	1.94	---	---	1.33	1958
1959	---	---	---	---	0.344	0.818	1.16	1.91	1.26	1.81	---	---	1.22	1959
1960	---	---	---	---	0.045	0.701	0.506	1.82	1.34	1.76	---	---	1.03	1960
1961	---	---	---	---	1.28	0.430	0.578	1.92	1.25	1.82	---	---	1.22	1961
1962	---	---	---	---	0.808	1.42	1.80	2.40	2.14	2.10	---	---	1.78	1962
1963	---	---	---	---	0.418	1.25	1.27	2.77	2.19	2.49	---	---	1.73	1963
1964	---	---	---	---	0.405	1.22	1.23	1.86	1.21	2.28	---	---	1.34	1964
1965	---	---	---	---	0.431	2.15	1.29	2.24	2.01	1.86	0.546	---	1.86	1965
1966	---	---	---	---	0.327	2.21	1.97	2.87	1.76	2.85	---	---	2.00	1966
1967	---	---	---	---	1.80	1.42	1.03	2.85	1.73	2.53	1.34	---	1.83	1967
1968	---	---	---	---	2.06	1.75	1.81	2.83	1.82	2.70	---	---	2.15	1968
1969	---	---	---	---	0.247	1.61	2.75	2.74	1.86	2.44	---	---	1.95	1969
1970	---	---	---	---	0.788	2.77	1.74	2.96	2.34	1.94	---	---	2.09	1970
1971	---	---	---	---	0.704	1.81	2.43	3.00	2.18	2.17	---	---	2.07	1971
1972	---	---	---	---	0.998	2.40	3.23	3.86	2.51	2.30	---	---	2.52	1972
1973	---	---	---	---	0.422	2.47	1.53	3.17	2.18	1.66	---	---	1.67	1973
1974	---	---	---	---	0.585	1.30	2.06	2.88	1.86	1.87	---	---	1.73	1974
1975	---	---	---	---	1.67	0.988	1.44	2.99	1.75	1.54	---	---	1.70	1975
1976	---	---	---	---	0.742	2.86	3.27	2.88	1.79	1.89	---	---	2.22	1976
1977	---	---	---	---	1.61	1.80	2.17	2.54	1.41	1.58	---	---	1.86	1977
1978	---	---	---	---	0.137	1.33	3.03	3.34	0.943	1.20	---	---	1.87	1978
1979	---	---	---	---	0.193	2.14	2.89	3.35	1.86	1.33	---	---	1.98	1979
1980	---	---	---	---	1.58	2.34	3.88	2.85	2.03	2.21	---	---	2.45	1980
1981	---	---	---	---	0.826	3.83	4.75	4.06	2.86	3.04	---	---	3.15	1981
1982	---	---	---	---	1.05	4.14	5.34	5.89	2.90	2.65	---	---	3.88	1982
1983	---	---	---	---	0.853	5.32	4.88	5.13	2.95	2.75	---	---	3.58	1983
1984	---	---	---	---	1.52	5.18	4.88	4.89	1.95	1.64	---	---	3.29	1984
1985	---	---	---	---	0.851	4.77	5.51	4.52	0.829	1.03	---	---	2.78	1985
1986	---	---	---	---	0.188	5.27	6.09	5.18	2.46	1.78	---	---	3.48	1986
MEAN	---	---	---	---	0.699	2.23	2.34	2.86	1.78	1.98	0.943	---	2.01	MEAN

LOCATION - LAT 50 09 00 N
LONG 111 40 00 W

DRAINAGE AREA 2 790 km²
REGULATED

TWELVE MILE CREEK NEAR CECIL - STATION NO 05BN002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1951	---	---	---	---	1951
1952	---	---	---	---	1952
1953	---	4.45 ON JUN 27	---	---	1953
1954	---	8.37 ON JUN 14	0.125 ON MAY 27	31 800	1954
		3.71 ON AUG 27	0.031 ON MAY 19	26 900	
1955	---	2.35 ON AUG 13	0.005 ON MAY 8	17 900	1955
1956	---	2.27A ON JUN 21	0.023A ON JUN 2	18 500	1956
1957	---	2.61 ON AUG 17	0.142E ON MAY 2	17 800	1957
1958	---	2.63 ON JUL 23	0.014E ON MAY 1	21 200	1958
1959	---	2.44 ON AUG 24	0.059 ON MAY 8	18 400	1959
1960	---	2.55 ON AUG 24	0.003 ON MAY 21	16 400	1960
1961	---	2.49 ON MAY 21	0.005 ON MAY 2	18 400	1961
1962	---	2.97 ON SEP 9	0 ON MAY 4 *	27 800	1962
1963	---	3.45 ON SEP 3	0.003 ON MAY 13	27 500	1963
1964	---	2.71 ON OCT 13	0.030 ON MAY 22	21 300	1964
1965	---	3.11 ON SEP 3	0.025 ON MAY 17	25 300	1965
1966	---	3.66 ON OCT 23	0.014 ON MAY 13	31 700	1966
1967	---	3.40 ON AUG 17	0.190 ON JUN 2	25 100	1967
1968	---	3.17 ON OCT 16	0.007E ON MAY 1	34 200	1968
1969	---	3.26 ON JUL 30	0.031 ON MAY 13	30 800	1969
1970	---	4.70 ON JUN 18	0.028 ON MAY 9	33 100	1970
1971	---	3.54 ON AUG 28	0.034 ON MAY 14	32 800	1971
1972	---	4.33 ON JUL 30	0.071 ON MAY 3	40 000	1972
1973	---	8.47 ON JUN 18	0.018 ON MAY 12	28 700	1973
1974	---	3.66 ON AUG 19	0.119 ON MAY 7	27 400	1974
1975	---	4.22 ON AUG 7	0.086 ON MAY 18	27 000	1975
1976	---	4.39 ON AUG 5	0.007 ON MAY 3	35 300	1976
1977	---	3.20 ON AUG 9	0 E ON MAY 1	28 800	1977
1978	---	4.56 ON AUG 4	0 ON MAY 21	28 900	1978
1979	---	4.21 ON AUG 7	0.008 ON MAY 5	31 900	1979
1980	---	5.13 ON JUL 24	0 ON MAY 6	39 000	1980
1981	---	6.08 ON JUL 22	0 ON MAY 1	50 000	1981
1982	---	7.73 ON AUG 7	0.010 ON MAY 3	58 200	1982
1983	---	7.27 ON JUN 23	0.004 ON MAY 8	56 400	1983
1984	---	7.82 ON JUN 24	0.002E ON MAY 5	52 300	1984
1985	---	7.58 ON JUN 6	0 ON MAY 1	44 300	1985
1986	---	10.3 ON JUL 28 *	0.007 ON MAY 3	55 500	1986
				32 000	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)

E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

TWIN CREEK NEAR SEEBE - STATION NO 05BF015

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1983	---	---	---	---	0.062	0.218	0.139	0.062	0.026	0.017	0.011	0.008	---	1983
1984	0.006	0.006	0.005	0.007	0.028	0.340	0.118	0.025	0.031	0.030	0.015	0.010	0.051	1984
1985	0.008	0.007	0.006	0.006	0.022	0.283	0.188	0.069	0.039	0.055	0.027	0.014	0.057	1985
1986	0.010	0.008	0.006	0.006	0.081	0.219	0.113	0.033	0.020	0.017	0.010	0.008	0.045	1986
1987	0.006	0.005	0.005	0.004	0.036	0.283	0.124	0.029	0.015	0.011	0.008	0.006	0.045	1987
1988	0.005	0.004	0.003	0.003	0.033	0.206	0.107	0.043	0.043	0.036	0.013	0.010	0.042	1988
1989	0.008	0.007	0.005	0.010	0.094	0.255	0.146	0.030	0.018	0.013	0.009	0.006	0.050	1989
1970	0.004	0.004	0.003	0.002	0.028	0.234	0.082	0.021	0.014	0.010	0.006	0.006	0.033	1970
1971	0.004	0.004	0.002	0.004	0.067	0.338	0.080	0.027	0.014	0.011	0.009	0.006	0.047	1971
1972	0.005	0.005	0.004	0.005	0.043	0.334	0.138	0.048	0.027	0.020	0.012	0.007	0.054	1972
1973	0.004	0.003	0.001	0.001	0.056	0.239	0.108	0.031	0.030	0.017	0.011	0.008	0.042	1973
1974	0.004	0.001	0.001	0.002	0.013	0.310	0.130	0.048	0.034	0.023	0.014	0.009	0.049	1974
1975	0.006	0.004	---	---	---	0.163	0.112	0.048	0.027	0.015	0.009	0.004	---	1975
1976	---	---	---	---	0.087	0.185	0.118	0.080	0.060	0.028	0.017	0.012	---	1976
1977	0.006	0.005	0.005	0.007	0.047	0.112	0.036	0.057	0.042	0.024	0.014	0.009	0.030	1977
1978	0.007	0.005	0.004	0.008	0.031	0.248	0.112	0.037	0.028	0.025	0.013	0.009	0.044	1978
1979	0.005	0.004	0.002	0.002	0.036	0.187	0.055	0.023	0.018	0.010	0.007	0.007	0.028	1979
1980	0.005	0.004	0.004	0.011	0.133	0.186	0.044	0.038	0.053	0.040	0.018	0.010	0.045	1980
1981	0.008	0.005	0.006	0.008	0.136	0.215	0.145	0.061	0.021	0.013	0.008	0.006	0.053	1981
1982	0.004	0.003	0.002	0.002	0.023	0.234	0.086	0.026	0.021	0.019	0.011	0.007	0.037	1982
1983	0.008	0.004	0.004	0.005	0.058	0.148	0.096	0.029	0.016	0.011	0.006	0.005	0.033	1983
1984	0.005	0.004	0.004	0.005	0.023	0.177	0.069	0.024	0.018	0.025	0.011	0.007	0.031	1984
1985	0.005	0.004	0.004	0.006	0.088	0.136	0.062	0.055	0.086	0.032	0.015	0.010	0.040	1985
1986	0.008	0.006	0.004	0.006	0.092	0.230	0.078	0.045	0.035	0.038	0.024	0.014	0.048	1986
MEAN	0.006	0.005	0.004	0.005	0.057	0.226	0.102	0.040	0.030	0.023	0.012	0.008	0.043	MEAN

LOCATION - LAT 50 57 33 N DRAINAGE AREA, 2.84 km²
LONG 115 10 19 W NATURAL FLOW

TWIN CREEK NEAR SEEBE - STATION NO. 05BF015

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1983	0.716 AT 02 00 MST ON JUN 30	0.606 ON JUN 30	---	---	1983
1984	0.748 AT 10 00 MST ON JUN 8	0.694 ON JUN 8	0.004 ON MAR 7	1 620	1984
1985	0.705 AT 04 00 MST ON JUN 18	0.651 ON JUN 18	0.005 ON APR 16	1 810	1985
1986	0.602 AT 08 00 MST ON JUN 1	0.382 ON JUN 1	0.005 ON MAR 17	1 430	1986
1987	0.611 AT 12 30 MST ON JUN 18	0.402 ON JUN 18	0.004 ON MAR 10	1 420	1987
1988	0.345 AT 02 10 MST ON JUN 3	0.306 ON JUN 3	0.003 ON MAR 16	1 330	1988
1989	0.687 AT 15 40 MST ON JUN 4	0.402 ON JUN 4	0.005 ON MAR 10	1 590	1989
1970	0.538 AT 16 30 MST ON JUN 16	0.479 ON JUN 16	0.002 ON MAR 21	1 040	1970
1971	0.812 AT 14 00 MST ON JUN 5 *	0.818 ON JUN 5 *	0.002 ON MAR 13	1 480	1971
1972	0.620 AT 23 00 MST ON JUN 10	0.583 ON JUN 10	0.0048E ON FEB 28	1 700	1972
1973	0.438 AT 23 30 MST ON JUN 23	0.408 ON JUN 24	0.001 ON MAR 11	1 320	1973
1974	0.725 AT 23 10 MST ON JUN 16	0.680 ON JUN 17	0 ON MAR 27 *	1 550	1974
1975	0.287 AT 20 00 MST ON JUN 24	0.261 ON JUN 25	---	---	1975
1976	0.272 AT 03 30 MST ON JUN 20	0.263 ON JUN 20	---	---	1976
1977	0.278 AT 20 30 MST ON JUN 1	0.241 ON JUN 8	0.005 ON JAN 24	958	1977
1978	0.447 AT 23 45 MST ON JUN 9	0.386 ON JUN 9	0.004 ON MAR 2	1 380	1978
1979	0.288 AT 19 00 MST ON JUN 12	0.256 ON JUN 13	0.002 ON FEB 28	851	1979
1980	0.318 AT 01 30 MST ON JUN 12	0.305 ON JUN 13	0.003 ON APR 8	1 430	1980
1981	0.474 AT 00 00 MST ON MAY 27	0.417 ON MAY 27	0.004 ON DEC 25	1 670	1981
1982	0.402 AT 20 33 MST ON JUN 15	0.453 ON JUN 16	0.002 ON JAN 5	1 180	1982
1983	0.375 AT 20 35 MST ON MAY 29	0.277 ON MAY 30	0.003 ON MAR 22	1 030	1983
1984	0.339 AT 01 15 MST ON JUN 16	0.316 ON JUN 16	0.003 ON MAR 24	983	1984
1985	0.382 AT 14 05 MST ON MAY 25	0.285 ON MAY 25	0.004 ON FEB 3	1 270	1985
1986	0.523 AT 00 04 MST ON MAY 31	0.489 ON MAY 29	0.004 ON MAR 3	1 600	1986
				1 380	MEAN

E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

UNITED IRRIGATION DISTRICT CANAL NEAR HILL SPRING - STATION NO 05AD013

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1923	---	---	---	---	---	---	---	0.919	0.812	1.06	---	---	---	1923
1924	---	---	---	0	1.27	0.895	2.94	1.00	1.31	1.23	0.058	---	1.10	1924
1925	---	---	---	0	0.876	1.74	5.10	2.32	0.828	0.086	0	---	1.51	1925
1926	---	---	---	0.768	1.58	2.36	3.58	2.11	0.529	0.811	0	---	1.45	1926
1927	---	---	---	0	0.067	0.378	1.36	1.39	1.37	0.875	0	---	0.658	1927
1928	---	---	---	0	0.850	0.851	0.875	1.44	1.06	0.873	0	---	0.897	1928
1929	---	---	---	0	0.214	0.806	1.90	2.56	0.808	0.982	0.078	---	0.879	1929
1930	---	---	---	0	0.263	1.50	3.55	2.45	1.58	1.18	0.889	---	1.41	1930
1946	---	---	---	0.492	1.86	2.01	3.01	3.89	1.48	1.09	0	---	1.72	1946
1947	---	---	---	0	1.83	2.25	3.91	3.35	1.35	0.940	0.247	---	1.72	1947
1948	---	---	---	0	0.038	0.488	1.56	1.82	1.67	1.52	0.109	---	0.918	1948
1949	---	---	---	0.004	1.13	2.56	4.43	3.27	1.55	0.703	0	---	1.72	1949
1950	---	---	---	0	0.481	2.24	2.28	2.26	1.70	0.838	0	---	1.20	1950
1951	---	---	---	0	0.033	0.247	0.743	2.14	0.433	0.853	0	---	0.883	1951
1952	---	---	---	0	1.09	1.82	1.85	1.30	1.33	1.85	0	---	1.15	1952
1953	---	---	---	0.004	0.509	0.058	1.45	3.08	1.56	1.07	0.507	---	1.04	1953
1954	---	---	---	0	0.205	2.02	2.93	2.84	1.47	1.45	0	---	1.35	1954
1955	---	---	---	0	0.066	2.01	0.852	2.87	1.75	1.27	0	---	1.05	1955
1956	---	---	---	0	0.593	2.83	1.39	2.13	1.57	1.25	0	---	1.20	1956
1957	---	---	---	0	0.859	1.98	3.79	2.83	2.13	0.912	0	---	1.56	1957
1958	---	---	---	0.075	0.988	1.95	1.34	2.03	1.55	2.13	0.318	0.057	1.30	1958
1959	0.028	0.059	0.085	0.147	0.492	2.21	2.89	3.29	1.53	1.14	0	---	1.47	1959
1960	---	---	---	0.040	0.339	3.28	3.57	1.88	1.88	1.14	0.289	---	1.55	1960
1961	---	---	0.107	0.350	0.704	4.84	3.59	2.85	2.07	1.33	0.188	---	1.87	1961
1962	---	---	0.057	0.084	1.36	3.32	3.54	3.30	1.69	0.788	0.353	---	1.81	1962
1963	---	---	0.011	0.089	3.05	3.36	2.20	3.53	1.83	1.84	0.307	---	2.03	1963
1964	---	---	---	0	0.141	1.33	3.38	4.00	0.776	1.17	0.713	---	1.45	1964
1965	---	---	---	0	0.464	1.45	1.16	2.45	0.781	0.831	0.184	---	0.932	1965
1966	---	---	0	0.008	0.848	0.883	2.02	2.40	1.04	0.878	0	---	1.02	1966
1967	---	---	0	0	0	0.098	2.48	3.11	2.20	1.32	0.035	---	1.18	1967
1968	---	---	---	0	0.128	1.74	2.35	1.37	0.315	0.497	0.085	---	0.815	1968
1969	---	---	---	0	0.382	1.19	0.851	2.82	1.46	1.11	0.025	---	0.958	1969
1970	---	---	---	0	0.434	2.08	2.04	2.73	0.949	0.781	0	---	1.13	1970
1971	---	---	---	0	0.402	2.18	2.38	3.27	1.47	0.026	0	---	1.22	1971
1972	---	---	---	0	0.489	2.36	0.492	2.11	1.36	1.02	0	---	0.877	1972
1973	---	---	---	0.005	2.09	3.83	4.38	2.86	1.72	0.811	0	---	1.97	1973
1974	---	---	---	0	0	2.03	3.46	2.36	0.808	1.52	0.020	---	1.28	1974
1975	---	---	---	0	0	0.639	1.48	1.84	1.88	1.23	0	---	0.884	1975
1976	---	---	---	0	0.398	2.08	1.48	0.731	1.43	0.951	0.008	---	0.880	1976
1977	---	---	---	0.130	3.27	4.44	3.70	1.57	0.535	0.830	0	---	1.82	1977
1978	---	---	---	0	0.714	1.13	0.524	0.939	0.753	0.800	0	---	0.822	1978
1979	---	---	---	0	0.356	2.32	3.01	1.80	0.987	1.28	0	---	1.22	1979
1980	---	---	---	0	1.82	0.280	2.61	1.82	1.04	0.878	0	---	1.04	1980
1981	---	---	---	0	0.145	0.328	1.32	1.99	1.56	0.380	0	---	0.717	1981
1982	---	---	---	0	0.328	1.55	2.10	2.81	1.82	0.522	0	---	1.12	1982
1983	---	---	---	0	0.720	3.17	2.76	2.71	1.15	0.718	0	---	1.41	1983
1984	---	---	---	0	1.50	2.44	2.84	1.89	1.32	0.874	0	---	1.31	1984
1985	---	---	---	0	1.45	2.35	3.05	1.77	0.758	0.098	0	---	1.19	1985
1986	---	---	---	0.071	0.588	1.78	2.99	2.07	1.08	0.193	0	---	1.10	1986
MEAN	0.028	0.059	0.043	0.046	0.787	1.85	2.46	2.32	1.29	0.981	0.088	0.057	1.23	MEAN

LOCATION - LAT 49 13 04 N
LONG 113 37 56 W

REGULATED

UNITED IRRIGATION DISTRICT CANAL NEAR HILL SPRING - STATION NO 05AD013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1923	---	---	---	---	1923
1924	---	4.02 ON JUL 19	0 ON APR 1 *	23 200	1924
1925	---	8.24 ON JUL 13 *	0 ON APR 1	31 700	1925
1926	---	7.67 ON JUN 5	0 ON APR 1	30 600	1926
1927	---	1.87E ON OCT 20	0 ON APR 1	13 900	1927
1928	---	2.58 ON AUG 25	0 ON APR 1	14 700	1928
1929	---	5.32 ON AUG 3	0 ON APR 1	16 500	1929
1930	---	6.48E ON JUL 9	0 ON APR 1	29 700	1930
1946	---	5.83E ON AUG 4	0 ON APR 1	36 200	1946
1947	---	5.92 ON JUL 18	0 ON APR 1	36 300	1947
1948	---	3.88 ON JUL 7	0 ON APR 1	19 400	1948
1949	---	6.17 ON JUL 14	0 ON APR 1	36 200	1949
1950	---	5.27 ON JUN 16	0 ON APR 1	25 400	1950
1951	---	3.78 ON AUG 8	0 ON APR 1	11 800	1951
1952	---	5.01 ON JUN 11	0 ON APR 1	24 200	1952
1953	---	3.57 ON AUG 20	0 ON APR 1	21 900	1953
1954	---	3.94 ON AUG 6	0 ON APR 1	28 400	1954
1955	---	4.67 ON JUN 24	0 ON APR 1	22 200	1955
1956	---	5.01 ON JUN 14	0 ON APR 1	25 300	1956
1957	---	4.53 ON JUL 16	0 ON APR 1	33 300	1957
1958	---	3.77 ON AUG 24	0 ON MAY 6	27 500	1958
1959	---	4.98 ON AUG 6	0 ON MAY 1	31 000	1959
1960	---	5.21 ON JUN 17	0.0038 ON APR 1	32 800	1960
1961	---	6.26 ON JUN 19	0.0288 ON NOV 13	41 400	1961
1962	---	5.15 ON JUN 12	0 ON OCT 9	38 100	1962
1963	---	5.21 ON JUN 4	0 ON NOV 18	42 800	1963
1964	---	4.79 ON JUL 31	0 ON APR 1	30 500	1964
1965	---	3.65 ON AUG 3	0 ON APR 1	19 800	1965
1966	---	3.71 ON AUG 5	0 ON APR 1	21 500	1966
1967	---	3.98 ON SEP 12	0 ON APR 1	24 600	1967
1968	---	3.03 ON AUG 14	0 ON APR 1	17 200	1968
1969	---	3.14 ON AUG 6	0 ON APR 1	20 200	1969
1970	---	3.96 ON JUN 12	0 ON APR 1	23 800	1970
1971	---	3.79 ON JUL 28	0 ON APR 1	25 700	1971
1972	---	3.48 ON JUN 11	0 ON APR 1	20 600	1972
1973	---	5.64 ON JUN 8	0 ON APR 1	41 500	1973
1974	---	5.89 ON JUL 28	0 ON APR 1	27 000	1974
1975	---	5.35 ON JUL 30	0 E ON APR 1	16 200	1975
1976	---	4.70 ON JUN 10	0 ON APR 1	16 500	1976
1977	---	5.78 ON MAY 12	0 ON APR 1	36 300	1977
1978	---	4.11 ON MAY 12	0 ON APR 1	13 100	1978
1979	---	3.86 ON JUN 17	0 ON APR 1	25 800	1979
1980	---	3.80 ON JUL 28	0 E ON APR 1	21 900	1980
1981	---	3.08 ON AUG 11	0 ON APR 1	15 100	1981
1982	---	3.34 ON AUG 17	0 ON APR 1	23 800	1982
1983	---	3.88 ON AUG 4	0 ON APR 1	29 700	1983
1984	---	3.32 ON JUN 17	0 ON APR 1	27 700	1984
1985	---	3.33 ON JUL 16	0 ON APR 1	35 100	1985
1986	---	3.21 ON JUL 2	0 ON APR 1	23 200	1986
				26 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

UNITED STATES ST MARY CANAL AT INTAKE - STATION NO 05AE028

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1918	---	---	---	0	0	12.7	16.9	9.62	1.12	0	0	---	5.79	1918
1919	---	---	---	3.56	14.6	14.1	14.0	14.2	5.01	1.52	0	---	9.81	1919
1920	---	---	---	0	2.24	13.9	15.5	11.9	0	0	0	---	6.31	1920
1921	---	---	---	0	4.08	11.8	11.1	3.88	0	0	0	---	4.42	1921
1922	---	---	---	0	1.56	8.04	11.2	10.6	6.41	0	0	---	5.41	1922
1923	---	---	---	0	6.71	13.3	11.5	10.5	1.98	0	0	---	5.30	1923
1924	---	---	---	0	8.55	10.3	13.8	16.0	3.14	0	0	---	7.41	1924
1925	---	---	---	0.256	11.4	16.3	17.3	15.8	12.1	4.43	0	---	11.1	1925
1926	---	---	---	3.85	13.9	14.9	14.7	3.26	3.14	0	0	---	7.66	1926
1927	---	---	---	0	---	---	13.6	14.1	0	0	0	---	---	1927
1928	---	---	---	0	0	14.4	10.1	13.0	1.21	0	0	---	5.53	1928
1929	---	---	---	0.721	1.89	11.1	15.1	14.6	8.89	2.92	0.210	---	7.80	1929
1930	---	---	---	0	0	10.8	16.1	16.5	5.48	0	0	---	7.30	1930
1931	---	---	---	2.07	11.7	17.4	16.3	17.8	2.78	1.99	0.536	---	10.3	1931
1932	---	---	---	7.95	16.7	15.0	19.7	19.6	5.50	0.846	0	---	12.3	1932
1933	---	---	---	0.599	13.6	16.1	20.0	19.9	8.63	2.42	0	---	11.8	1933
1934	---	---	---	3.56	21.0	19.0	23.2	20.3	0.957	0.278	0	---	12.7	1934
1935	---	---	---	0.037	12.9	18.8	23.7	19.4	8.53	0.523	0	---	12.0	1935
1936	---	---	---	0.380	15.7	22.8	24.5	15.6	2.20	1.38	0.187	---	11.8	1936
1937	---	---	---	0.847	17.2	9.89	21.7	22.5	4.85	0.014	0	---	11.1	1937
1938	---	---	---	3.89	12.1	19.7	21.1	21.7	4.15	2.06	2.38	---	12.2	1938
1939	---	---	---	4.86	18.2	21.6	22.3	14.9	0.358	1.26	5.07	---	12.0	1939
1940	---	---	---	0	13.7	19.3	21.8	11.9	0.592	0.527	7.17	---	9.74	1940
1941	---	---	---	3.12	16.8	17.6	21.2	7.88	2.28	0	0	---	9.83	1941
1942	---	---	---	8.34	20.1	5.33	21.4	18.3	14.4	0.186	0.067	---	12.6	1942
1943	---	---	---	0	0.378	11.5	16.3	16.7	15.7	1.87	0	---	8.91	1943
1944	---	---	---	3.51	15.4	13.8	13.8	10.0	1.78	0.400	0	---	8.41	1944
1945	---	---	---	2.29	16.5	17.7	16.7	16.9	16.5	2.31	0	---	13.6	1945
1946	---	---	---	12.4	17.2	18.0	16.6	17.9	16.3	0.119	0	---	14.5	1946
1947	---	---	---	0	6.38	14.9	16.4	17.8	13.5	0.141	0	---	10.2	1947
1948	---	---	---	0	3.55	8.53	15.7	16.6	14.3	0	0	---	8.43	1948
1949	---	---	---	0.801	16.8	17.5	17.4	16.9	9.75	0	0	---	11.4	1949
1950	---	---	---	0	3.81	11.6	16.4	15.3	16.3	15.2	0.283	---	11.3	1950
MEAN	---	---	---	1.92	10.5	14.6	17.5	15.0	6.31	1.22	0.480	---	9.88	MEAN

LOCATION - LAT 48 51 10 N
LONG 113 24 50 W REGULATED

INTERNATIONAL GAUGING STATION

UNITED STATES ST MARY CANAL AT INTAKE - STATION NO 05AE028

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1918	---	17.7 ON JUN 27	0 ON APR 1 *	107 000	1918
1919	---	15.6 ON MAY 15	0 ON APR 1	174 000	1919
1920	---	16.5 ON AUG 6	0 ON APR 1	117 000	1920
1921	---	14.7 ON JUN 17	0 ON APR 1	81 800	1921
1922	---	16.4 ON AUG 16	0 ON APR 1	100 000	1922
1923	---	16.5 ON JUL 15	0 ON APR 1	116 000	1923
1924	---	20.4 ON AUG 22	0 ON APR 1	137 000	1924
1925	---	18.5A ON AUG 15	0 ON APR 1	208 000	1925
1926	---	16.6 ON MAY 24	0 ON APR 1	142 000	1926
1927	---	16.7 ON AUG 5	0 E ON APR 1	---	1927
1928	---	16.1 ON JUN 16	0 ON APR 1	102 000	1928
1929	---	15.6 ON JUL 10	0 ON APR 1	146 000	1929
1930	---	18.2 ON JUL 6	0 ON APR 1	135 000	1930
1931	---	18.4 ON JUL 3	0 ON APR 1	181 000	1931
1932	---	20.6 ON JUL 28	0 ON APR 1	227 000	1932
1933	---	20.8A ON AUG 10	0 ON APR 1	216 000	1933
1934	---	23.3 ON MAY 30	0 ON APR 1	234 000	1934
1935	---	24.3 ON JUL 26	0 ON APR 1	222 000	1935
1936	---	24.7 ON MAY 26 *	0 ON APR 1	218 000	1936
1937	---	23.3 ON AUG 1	0 ON APR 1	204 000	1937
1938	---	23.4 ON JUL 7	0 ON APR 1	226 000	1938
1939	---	22.7 ON JUL 23	0 ON APR 1	222 000	1939
1940	---	23.2 ON JUL 28	0 ON APR 1	180 000	1940
1941	---	23.3 ON JUN 3	0 ON APR 1	182 000	1941
1942	---	23.1 ON JUL 25	0 ON APR 1	233 000	1942
1943	---	18.6 ON JUL 23	0 ON APR 1	186 000	1943
1944	---	19.7 ON JUL 21	0.238 ON OCT 31	155 000	1944
1945	---	19.5 ON JUL 29	0 ON APR 1	251 000	1945
1946	---	19.3 ON JUN 22	0.0858 ON OCT 30	288 000	1946
1947	---	18.7 ON JUL 10	0 ON APR 1	189 000	1947
1948	---	16.0 ON JUL 21	0 ON APR 1	158 000	1948
1949	---	18.6 ON MAY 13	0 ON APR 1	210 000	1949
1950	---	19.7 ON JUN 22	0 ON APR 1	208 000	1950
				179 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

UNNAMED CREEK NEAR FORT MACKAY - STATION NO. 07DA011

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	---	---	1.07	0.549	0.324	0.075	---	1975
1976	0.040	0.078	0.085	1.21	0.363	0.247	0.399	0.251	---	---	---	0.029	---	1976
1977	0.071	0.088	0.084	0.518	0.367	0.487	0.745	0.289	0.224	0.426	0.108	0.052	0.386	1977
1978	0.043	0.035	0.055	0.490	1.80	1.60	0.324	0.384	2.65	1.30	0.352	0.184	1.07	1978
1979	0.106	0.090	0.076	0.268	3.70	0.812	0.332	0.317	0.450	0.324	0.180	0.093	0.788	1979
1980	0.074	0.038	0.046	0.620	0.177	0.196	0.139	0.417	0.338	0.218	0.150	0.049	0.268	1980
1981	0.083	0.057	0.084	0.292	0.953	0.212	0.130	0.089	0.148	0.189	---	---	0.280	1981
1982	---	---	0.011	0.110	1.31	0.377	0.061	0.097	0.072	0.067	---	---	0.284	1982
1983	---	---	0.050	0.278	0.478	0.070	0.268	0.370	0.109	0.205	---	---	0.229	1983
1984	---	---	0.078	0.654	0.422	---	---	1.04	0.574	0.772	---	---	---	1984
1985	---	---	0.065	0.999	4.90	0.475	0.077	0.074	0.268	0.355	---	---	0.905	1985
1986	---	---	0.050	0.541	2.45	0.766	0.528	0.326	0.176	0.294	---	---	0.643	1986
MEAN	0.065	0.065	0.059	0.544	1.54	0.524	0.300	0.329	0.553	0.427	0.223	0.080	0.535	MEAN

LOCATION - LAT 57 39 41 N DRAINAGE AREA, 274 km²
LONG 111 31 11 W NATURAL FLOW

UNNAMED CREEK NEAR FORT MACKAY - STATION NO. 07DA011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	---	---	1975
1976	3.74 AT 11 50 MST ON APR 16	2.97A ON APR 15	0.031 ON JUN 23	---	1976
1977	3.06 AT 02 07 MST ON JUL 5	2.78 ON JUL 5	0.0378 ON MAR 21	8 170	1977
1978	5.38 AT 01 50 MST ON SEP 11	5.15 ON SEP 11	0.0468 ON MAR 1	22 600	1978
1979	8.14 AT 03 00 MST ON MAY 17	8.05 ON MAY 17	0.019 ON APR 22	16 700	1979
1980	3.508 AT 13 50 MST ON APR 14	1.588 ON APR 15	0.0388 ON MAR 1	5 670	1980
1981	---	2.24E ON MAY 1	0.055 ON AUG 23	5 500	1981
1982	2.248 AT 21 00 MST ON MAY 17	1.858 ON MAY 18	0.0028 ON APR 8 *	5 590	1982
1983	1.89 AT 05 50 MST ON JUL 30	1.78 ON JUL 30	0.005 ON JUL 12	4 850	1983
1984	---	---	0.031 ON MAY 14	---	1984
1985	18.7 AT 18 24 MST ON MAY 5 *	16.7 ON MAY 5 *	0.055 ON AUG 7	18 100	1985
1986	3.64 AT 13 40 MST ON MAY 10	3.62 ON MAY 10	0.0408 ON MAR 1	13 600	1986
				11 300	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

UPPER CHAIN LAKE OUTLET NEAR PONOKA - STATION NO. 05CD001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1925	---	---	---	---	0.021	0.036	0.018	0.014	0.021	---	---	---	---	1925
1926	---	---	---	---	0.055	0.042	---	---	---	---	---	---	---	1926
MEAN	---	---	---	---	0.038	0.039	0.018	0.014	0.021	---	---	---	---	MEAN

LOCATION - LAT 52 36 00 N DRAINAGE AREA, 76.9 km²
LONG 113 26 00 W NATURAL FLOW

VERDIGRIS COULEE NEAR THE MOUTH - STATION NO. 11AA038

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1985	---	---	---	---	0.406	0.480	0.388	0.820	0.722	0.743	0.236	---	---	1985
1986	---	---	0.400	0.377	0.422	0.232	0.156	0.243	0.374	0.340	0.013	---	0.318	1986
MEAN	---	---	0.400	0.377	0.414	0.356	0.278	0.432	0.548	0.542	0.125	---	0.318	MEAN

LOCATION - LAT 49 06 39 N DRAINAGE AREA, 356 km² INTERNATIONAL GAUGING STATION
LONG 111 45 31 W REGULATED

REMARKS - HIGHER FLOWS ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD DURING 1986

VERDIGRIS COULEE NEAR THE MOUTH - STATION NO. 11AA038

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1985	1.30 AT 18 30 MST ON OCT 8 *	---	---	---	1985
1986	1.07 AT 22 35 MST ON MAR 7	0.735 ON MAR 4 *	0.001 ON APR 8 *	6 730	1986
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		6 730	MEAN

VERMILION RIVER AT LEA PARK - STATION NO 05EE002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	---	---	---	---	---	---	---	0.043	0.046	0.042	---	1964
1965	0.042	0.032	0.028	21.6	11.2	7.02	4.91	7.26	3.84	1.23	0.772	0.784	4.90	1965
1966	0.287	0.274	0.875	9.49	3.02	1.10	0.400	0.286	0.237	0.181	0.163	0.127	1.36	1966
1967	0.087	0.113	0.175	0.931	7.11	1.65	0.375	0.076	0.026	0.088	0.093	0.104	0.910	1967
1968	0.054	0.085	10.8	5.45	1.72	0.532	0.148	0.135	0.484	0.612	0.309	0.247	1.72	1968
1969	0.271	0.203	0.195	21.7	12.1	2.17	1.31	0.593	0.231	0.264	---	---	---	1969
1970	---	---	---	---	4.25	1.56	2.16	1.23	0.473	0.389	---	---	---	1970
MEAN	0.148	0.141	2.41	11.8	6.57	2.34	1.55	1.60	0.879	0.400	0.277	0.257	2.22	MEAN

LOCATION - LAT 53 39 20 N
LONG 110 20 20 W
DRAINAGE AREA 7 940 km²
REGULATED

VERMILION RIVER AT LEA PARK - STATION NO 05EE002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1964	---	---	---	---	1964
1965	---	77.3 ON APR 14 *	0.0288 ON FEB 21	154 000	1965
1966	---	20.9 ON APR 6	0.0208 ON DEC 27	43 000	1966
1967	---	15.6 ON MAY 22	0.017 ON AUG 15 *	28 700	1967
1968	---	24.98 ON MAR 6	0.0458 ON JAN 9	54 400	1968
1969	---	74.5 ON APR 13	0.108 ON OCT 1	---	1969
1970	---	---	---	---	1970
				70 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

VERMILION RIVER DRAINAGE NEAR BRUCE - STATION NO 05EE915

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	---	0.332	0.002	0	0	0	0	0	---	---	0.047	1981
1982	---	---	---	0.150	0.353	0	1.88	0.116	0.008	0	---	---	0.383	1982
1983	---	---	0.001	1.31	0.008	1.21	2.40	0.006	0	0	---	---	0.702	1983
MEAN	---	---	0.001	0.597	0.121	0.403	1.43	0.041	0.003	0	---	---	0.371	MEAN

LOCATION - LAT 53 10 37 N
LONG 112 04 06 W
DRAINAGE AREA 473 km²
NATURAL FLOW

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

VERMILION RIVER DRAINAGE NEAR BRUCE - STATION NO 05EE915

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1981	1.44 AT 23 16 MST ON APR 4	1.37 ON APR 4	0 ON MAY 7 *	886	1981
1982	2.49 AT 15 18 MST ON JUL 9	2.48 ON JUL 9	0.08 ON APR 1	6 700	1982
1983	10.5 AT 11 25 MST ON JUN 28 *	7.92 ON JUN 28 *	0 ON MAY 13	13 000	1983
				6 860	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

VERMILION RIVER DRAINAGE NEAR HOLDEN - STATION NO 05EE913

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	---	0.081	0.006	0	0.022	0.027	0	0	---	---	---	1981
1982	---	---	---	0.002	0.123	0.005	0.456	0.008	0.001	0	---	---	---	1982
1983	---	---	0	0.286	0	0.237	0.281	0.001	0.007	0	---	---	0.101	1983
1984	---	---	0.044	0.011	0	0.016	0.001	0	0.004	0	---	---	0.010	1984
1985	---	---	0.036	0.364	0.020	0.004	0	0	0	0	---	---	0.052	1985
1986	---	---	0.240	0.027	0.003	0	0.016	0.008	0	0	---	---	0.037	1986
MEAN	---	---	0.080	0.129	0.025	0.044	0.129	0.007	0.002	0	---	---	0.050	MEAN

LOCATION - LAT 53 08 02 N
LONG 112 24 19 W
DRAINAGE AREA 56.4 km²
NATURAL FLOW

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

VERMILION RIVER DRAINAGE NEAR HOLDEN - STATION NO 05EE913

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	0.582 AT 17:00 MST ON MAR 28	0.392 ON MAR 28	0B ON MAR 12 *	---	1981
1982	1.24 AT 16:41 MST ON JUL 6	1.21 ON JUL 7	0B ON APR 1	---	1982
1983	2.21 AT 08:41 MST ON JUN 28 *	1.91 ON JUL 3	0B ON MAR 1	2 130	1983
1984	0.654 AT 11:07 MST ON MAR 29	0.397 ON MAR 29	0B ON MAR 1	202	1984
1985	2.17 AT 08:43 MST ON APR 7	2.11 ON APR 7 *	0B ON MAR 1	1 100	1985
1986	1.38 AT 09:05 MST ON MAR 22	0.721 ON MAR 22	0B ON MAR 1	765	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 050	MEAN

VERMILION RIVER NEAR HAZELDINE - STATION NO 05EE004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	0.215	18.8	22.0	4.73	2.82	1.21	0.414	0.348	---	---	5.30	1971
1972	---	---	0.784	15.3	15.0	2.86	0.888	0.533	0.325	0.328	---	---	4.49	1972
1973	---	---	0.111	14.8	6.45	2.96	3.65	7.43	11.0	4.68	---	---	5.34	1973
1974	---	---	0.324	54.9	65.7	17.0	4.29	1.70	---	---	---	---	---	1974
1975	---	---	0.242	4.12	8.52	3.23	1.23	0.559	0.314	0.296	---	---	2.31	1975
1976	---	---	0.209	3.75	1.30	0.840	0.919	0.377	0.141	0.165	---	---	0.842	1976
1977	---	---	0.187	1.22	2.07	0.879	0.168	0.119	0.109	0.182	---	---	0.612	1977
1978	---	---	0.337	3.72	1.35	0.730	0.114	0.183	0.179	1.04	---	---	0.950	1978
1979	---	---	0.210	12.5	21.8	---	---	---	---	---	---	---	---	1979
MEAN	---	---	0.289	14.3	16.0	4.17	1.76	1.52	1.78	1.01	---	---	3.13	MEAN

LOCATION - LAT 53 37 37 N LONG 110 25 20 W
DRAINAGE AREA 7 830 km^2
REGULATED

VERMILION RIVER NEAR HAZELDINE - STATION NO 05EE004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	61.2 AT 21:00 MST ON APR 15	53.5 ON APR 16	0.1988 ON MAR 1	133 000	1971
1972	---	41.3 ON APR 15	0.1278 ON MAR 1	95 100	1972
1973	54.9 AT 15:00 MST ON APR 12	52.4 ON APR 12	0.0828 ON MAR 1	134 000	1973
1974	157 AT 16:00 MST ON APR 20 *	154 ON APR 20 *	---	---	1974
1975	---	18.7 8 ON APR 23	0.2278 ON MAR 9	46 900	1975
1976	11.0 AT 09:30 MST ON APR 9	10.4 ON APR 9	0.116 ON SEP 18	19 900	1976
1977	4.45 AT 14:00 MST ON MAY 17	4.25 ON MAY 17	0.093 ON SEP 3	13 000	1977
1978	11.4 AT 21:00 MST ON APR 22	11.2 ON APR 22	0.0288 ON MAR 1 *	20 100	1978
1979	36.4 AT 11:55 MST ON MAY 2	35.9 ON MAY 2	---	---	1979
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		66 300	MEAN

VERMILION RIVER NEAR MANNVILLE - STATION NO 05EE001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1958	---	---	---	---	---	---	---	---	0.001	0.058	0.107	0.051	---	1958
1959	0.089	0.054	0.100	0.461	0.469	0.197	0.132	0.119	0.121	0.250	0.142	0.135	0.233	1959
1960	0.115	0.058	0.408	5.16	2.52	0.887	0.864	0.280	0.055	0.036	0.117	0.110	1.27	1960
1961	0.075	0.018	0.039	1.44	1.62	0.366	0.333	0.004	0.001	0.020	0.034	0.041	0.477	1961
1962	0.032	0.040	0.065	4.77	5.16	4.21	2.81	3.17	1.78	0.904	0.505	0.194	2.85	1962
1963	0.076	0.004	0.331	22.5	15.2	2.88	0.958	0.888	0.899	0.972	0.658	0.412	5.54	1963
1964	0.130	0.074	0.185	1.36	0.686	0.195	0.060	0.005	0.043	0.009	0.025	0.045	0.313	1964
1965	0.062	0.088	0.088	7.28	10.3	5.30	5.37	4.28	2.02	0.739	0.279	0.183	4.55	1965
1966	0.038	0.028	0.501	5.43	2.25	0.430	0.134	0.347	0.368	0.008	0.020	0.026	1.17	1966
1967	0.013	0.003	0.014	1.54	5.05	1.84	0.144	0.107	0	0	0	0	1.08	1967
1968	0.002	0.278	4.07	4.46	1.51	0.246	0.096	0.035	0.172	0.201	0.094	0.068	1.35	1968
1969	0.013	0.022	0.086	8.82	6.88	1.45	0.327	0.042	0.013	0.092	0.072	0.090	2.20	1969
1970	0.015	0.008	0.008	3.48	3.19	0.841	1.31	0.327	0.278	0.457	---	---	1.23	1970
1976	---	---	0.127	2.00	0.802	0.813	0.397	0.085	0.069	0.037	---	---	0.537	1976
1977	---	---	0.059	0.966	1.38	0.668	0.029	0.013	0.029	0.044	---	---	0.397	1977
1978	---	---	0.154	1.90	1.04	0.724	0.369	0.180	0.445	1.60	---	---	0.799	1978
1979	---	---	0.558	11.6	14.2	1.28	1.72	0.288	0.028	0.069	---	---	3.71	1979
1980	---	---	0.038	5.06	1.92	0.322	0.182	0.180	0.195	0.177	---	---	1.12	1980
1981	---	---	2.52	8.82	0.823	0.293	0.037	0.008	0	0	---	---	1.56	1981
1982	---	---	0	0.838	1.70	0.553	2.71	1.54	0.045	0.011	---	---	0.931	1982
1983	---	---	0.078	2.02	0.829	0.211	15.6	2.28	---	---	---	---	---	1983
MEAN	0.053	0.056	0.470	5.05	3.89	1.19	1.73	0.710	0.328	0.284	0.171	0.112	1.65	MEAN

LOCATION - LAT 53 22 30 N LONG 111 10 30 W
DRAINAGE AREA 5 740 km^2
NATURAL FLOW

VERMILION RIVER NEAR MANNVILLE - STATION NO 05EE001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1958	---	---	---	---	1958
1959	---	1 70 ON MAY 5	0 E ON SEP 1 *	---	1959
			0 B ON MAR 9	4 940	
1960	---	6 97 ON APR 16	0 ON OCT 30	26 900	1960
1961	---	2 61 ON APR 21	0 B ON MAR 1	10 100	1961
1962	---	9 87 ON MAY 3	0 B ON MAR 4	80 300	1962
1963	---	42 2 ON APR 22 *	0 0068 ON MAR 1	117 000	1963
1964	---	2 418 ON APR 9	0 ON JUL 18	6 830	1964
1965	---	22 8 B ON APR 14	0 0858 ON APR 1	96 300	1965
1966	---	12 4 ON APR 3	0 ON JUN 29	24 500	1966
1967	---	10 5 B ON APR 30	0 ON JUL 18	23 000	1967
1968	---	7 84 ON APR 5	0 ON JUL 30	28 500	1968
1969	---	15 1 ON APR 11	0 ON AUG 14	46 500	1969
1970	---	8 388 ON APR 12	0 0078 ON MAR 1	26 100	1970
1976	---	4 308 ON APR 5	0 003 ON AUG 22	11 400	1976
1977	---	3 28 ON MAY 19	0 ON JUL 28	8 400	1977
1978	---	2 81 ON APR 14	0 003 ON AUG 14	16 900	1978
1979	---	39 2 ON APR 28	0 B ON MAR 1	78 700	1979
1980	---	10 2 ON APR 23	0 0018 ON MAR 1	23 700	1980
1981	---	18 5 ON APR 3	0 E ON MAR 1	33 000	1981
1982	5 59 AT 13 26 MST ON AUG 3	5 50 ON AUG 3	0 E ON MAR 1	19 700	1982
1983	22 9 AT 14 13 MST ON JUL 21 *	22 4 ON JUL 21	---	---	1983
				34 900	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

VERMILION RIVER NEAR MARWAYNE - STATION NO 05EE007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1979	---	---	---	---	---	---	---	1 07	0 231	0 204	---	---	---	1979
1980	---	---	0 019	8 91	3 07	0 555	0 403	0 150	0 261	0 388	---	---	1 45	1980
1981	---	---	1 86	11 3	1 54	0 260	0 061	0 042	0	0 029	---	---	1 87	1981
1982	---	---	0	0 388	1 82	0 385	1 24	4 57	0 466	0 141	---	---	1 13	1982
1983	---	---	0 097	1 66	1 41	0 097	13 8	5 97	0 532	0 352	---	---	3 02	1983
1984	---	---	0 856	9 42	1 26	1 07	0 229	0 032	0 041	0 095	---	---	1 60	1984
1985	---	---	0 782	10 8	4 05	1 13	0 327	0 026	---	---	---	---	---	1985
1986	---	---	1 74	11 7	3 07	0 600	0 412	0 259	0 053	0 044	---	---	2 21	1986
MEAN	---	---	0 788	7 45	2 32	0 585	2 35	1 51	0 226	0 176	---	---	1 88	MEAN

LOCATION - LAT 53 29 28 N DRAINAGE AREA 7 270 km^2
LONG 110 23 51 W NATURAL FLOW

VERMILION RIVER NEAR MARWAYNE - STATION NO 05EE007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1979	---	---	---	---	1979
1980	---	15 6 ON APR 16	0 014 ON AUG 10	30 800	1980
1981	19 0 AT 09 30 MST ON APR 8	16 8 ON APR 7	0 ON JUL 27 *	39 600	1981
1982	7 44 AT 18 16 MST ON AUG 11	7 18 ON AUG 11	0 B ON MAR 1	24 000	1982
1983	24 1 AT 16 53 MST ON JUL 24 *	24 0 ON JUL 24	0 0064 ON JUN 16	63 900	1983
1984	---	24 6 B ON APR 2 *	0 002 ON AUG 31	33 800	1984
1985	14 6 AT 21 23 MST ON APR 22	14 5 ON APR 22	0 B ON MAR 1	---	1985
1986	18 0 AT 13 11 MST ON APR 17	17 4 ON APR 16	0 B ON MAR 1	46 800	1986
				39 800	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

VERMILION RIVER NEAR VEGREVILLE - STATION NO 05EE003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	0	0	0	0	---	---	---	1967
1968	---	---	1.87	0.664	0.009	0	0	0.002	0.099	0.110	---	---	0.346	1968
1969	---	---	0.033	6.98	0.780	0.343	0.006	0	0	0	---	---	0.896	1969
1970	---	---	0.034	2.43	0.500	0.031	0.157	0.042	0.012	0.005	---	---	0.397	1970
1971	---	---	0	7.59	1.43	0.176	0.257	0.069	0.015	0.001	---	---	1.17	1971
1972	---	---	0	5.50	1.48	0.045	0.003	0.001	0	0	---	---	0.880	1972
1973	---	---	0.211	3.87	0.588	2.17	6.31	5.25	0.888	0.208	---	---	2.44	1973
1974	---	---	0.014	25.9	16.8	1.32	0.271	0.014	0.003	0.001	---	---	5.51	1974
1975	---	---	0.007	1.98	1.99	0.018	0	0	0	0	---	---	0.447	1975
1976	---	---	0.135	0.812	0.003	0	0	0	0	0	---	---	0.117	1976
1977	---	---	0	0.053	---	0.255	0.002	0	0	0	---	---	---	1977
1978	---	---	0.010	0.426	0.048	0.002	0	0	1.55	0.441	---	---	0.305	1978
1979	---	---	0.284	11.8	2.28	0.080	0.045	0.004	0	0	---	---	1.79	1979
1980	---	---	0	2.30	0.178	0	0	0	0	0	---	---	0.304	1980
1981	---	---	1.61	1.07	0.071	0	0	0.012	0	0	---	---	0.348	1981
1982	---	---	0	0.481	0.384	0.005	5.16	0.447	0.382	0.118	---	---	1.00	1982
1983	---	---	0.020	1.72	0.003	3.94	10.9	0.488	0.009	0.003	---	---	2.14	1983
1984	---	---	0.833	0.971	0.008	0.026	0.002	0	0	0	---	---	0.229	1984
1985	---	---	1.25	5.10	0.733	0.154	0	0	0	0	---	---	0.895	1985
1986	---	---	3.93	4.06	0.038	0.011	0.001	0.002	0	0	---	---	1.00	1986
MEAN	---	---	0.540	4.45	1.49	0.452	1.21	0.318	0.148	0.044	---	---	1.13	MEAN

LOCATION - LAT 53 27 54 N DRAINAGE AREA 1 590 km²
LONG 112 03 52 W NATURAL FLOW

VERMILION RIVER NEAR VEGREVILLE - STATION NO 05EE003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1967	---	---	0R ON JUN 30 *	---	1967
1968	---	5.31 ON MAR 7	0 ON MAY 30	7 320	1968
1969	---	13.3 ON APR 12	0B ON MAR 1	21 100	1969
1970	---	5.48 ON APR 13	0B ON MAR 1	8 390	1970
1971	21.6 AT 03 00 MST ON APR 18	20.7 ON APR 18	0B ON MAR 1	24 900	1971
1972	12.5 AT 13 40 MST ON APR 15	12.2 ON APR 15	0B ON MAR 1	20 900	1972
1973	16.8 AT 06 00 MST ON JUL 7	16.5 ON JUL 7	0B ON MAR 1	51 600	1973
1974	77.3 AT 06 10 MST ON APR 20 *	74.5 ON APR 20 *	0 ON OCT 22	117 000	1974
1975	10.4 B AT 15 00 MST ON APR 25	9.578 ON APR 25	0 ON JUN 16	9 480	1975
1976	---	2.14 ON APR 12	0B ON MAR 1	2 470	1976
1977	---	---	0B ON MAR 1	---	1977
1978	5.10 AT 08 00 MST ON SEP 21	5.01 ON SEP 21	0B ON MAR 1	6 450	1978
1979	25.3 AT 22 30 MST ON APR 20	24.3 ON APR 20	0B ON MAR 1	37 900	1979
1980	6.42 AT 05 15 MST ON APR 14	6.26 ON APR 14	0B ON MAR 1	6 430	1980
1981	---	6.778 ON MAR 18	0B ON MAR 1	7 310	1981
1982	15.2 AT 00 44 MST ON JUL 8	15.4 ON JUL 8	0B ON MAR 1	21 200	1982
1983	22.6 AT 05 00 MST ON JUL 2	22.3 ON JUL 2	0B ON MAR 1	45 400	1983
1984	---	3.918 ON MAR 31	0 ON JUL 21	4 840	1984
1985	11.9 AT 14 00 MST ON APR 4	11.1 B ON APR 4	0B ON MAR 1	18 900	1985
1986	22.3 AT 17 00 MST ON MAR 31	21.6 ON MAR 31	0 ON JUN 22	21 100	1986
				24 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1 1986

VERMILION RIVER TRIBUTARY NEAR BRUCE - STATION NO 05EE006

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	---	---	0	0.239	0.027	---	---	---	1978
1979	---	---	0.026	0.849	0.018	0	0	0	0	0	---	---	0.109	1979
1980	---	---	0	0.088	0.002	0	0	0	0	0	---	---	0.012	1980
1981	---	---	0.120	0.030	0	0	0	0	0	0	---	---	0.018	1981
1982	---	---	0	0.008	0.029	0.013	0.127	0.002	0	0	---	---	0.023	1982
1983	---	---	0	0.051	0.001	0.241	0.654	0.155	0.011	0	---	---	0.140	1983
1984	---	---	0.122	0.094	0	0	0	0	0	0	---	---	0.027	1984
1985	---	---	0.066	0.380	0.017	0.001	0	0	0	0	---	---	0.057	1985
1986	---	---	0.315	0.247	0.005	0	0	0	0	0	---	---	0.071	1986
MEAN	---	---	0.081	0.220	0.008	0.032	0.088	0.018	0.026	0.003	---	---	0.057	MEAN

LOCATION - LAT 53 17 42 N DRAINAGE AREA 46.9 km²
LONG 112 02 54 W NATURAL FLOW

VERMILION RIVER TRIBUTARY NEAR BRUCE - STATION NO 05EE005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	---	---	---	---	1978
1979	---	1.65 ON APR 19	08 ON MAR 1 *	2 310	1979
1980	---	0.657 ON APR 12	08 ON MAR 1	286	1980
1981	---	0.4358 ON MAR 20	08 ON MAR 1	400	1981
1982	---	0.820E ON JUL 5	08 ON MAR 1	476	1982
1983	1.98 AT 05 18 MST ON JUN 29	1.79 ON JUN 29	08 ON MAR 1	2 980	1983
1984	---	0.7108 ON MAR 28	08 ON MAR 1	871	1984
1985	1.388 AT 00 00 MST ON APR 2	1.26 B ON APR 1	08 ON MAR 1	1 210	1985
1986	2.84 AT 13 37 MST ON MAR 30 *	1.91 ON MAR 30 *	08 ON MAR 1	1 500	1986
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 210	MEAN

VIXEN CREEK NEAR BELLOY - STATION NO 07FD021

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	---	0.011	1.00	0.027	0.019	0	0.047	0.002	---	---	---	1984
1985	---	---	---	0.350	0.020	0	0	0	0	0	---	---	---	1985
1986	---	---	---	---	0.390	0.001	0	0	0	0	---	---	---	1986
MEAN	---	---	---	0.181	0.437	0.009	0.006	0	0.018	0.001	---	---	---	MEAN

LOCATION - LAT 55 48 30 N, LONG 118 08 30 W DRAINAGE AREA, 125 km^2, NATURAL FLOW DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

REMARKS - 1983 DATA NOT PUBLISHED IN 1983 NEW STA IN 1983 AND INSUFFICIENT DATA FOR THE CURVE UNTIL 1984

VIXEN CREEK NEAR BELLOY - STATION NO 07FD021

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	11.0 AT 16 38 MST ON MAY 22 *	9.71 ON MAY 22 *	08 ON MAR 15 *	---	1984
1985	2.01 AT 18 22 MST ON MAY 13	1.528 ON APR 2	0 ON APR 24	---	1985
1986	6.85 AT 14 17 MST ON MAR 1	5.878 ON MAR 1	0 ON JUN 3	---	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

VOGEL CREEK NEAR THE MOUTH - STATION NO 07AC005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	---	0.225	0.125	0.055	---	---	---	---	---	1974
MEAN	---	---	---	---	---	0.225	0.125	0.055	---	---	---	---	---	MEAN

LOCATION - LAT 53 46 58 N, LONG 118 37 07 W DRAINAGE AREA, 11.4 km^2, NATURAL FLOW DATA CONTRIBUTED BY - CANADIAN FORESTRY SERVICE (DOE) (CANADA)

WABAMUN CREEK NEAR DUFFIELD - STATION NO. 05DE003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1927	---	---	---	---	---	---	---	---	1.98	1.37	---	---	---	1927
1928	---	---	---	0.438	0.647	0.632	0.655	0.677	0.474	0.456	---	---	---	1928
1929	---	---	---	0.270	0.530	0.527	0.381	0.219	0.131	0.109	---	---	---	1929
1930	---	---	---	0.185	0.071	0	0	0	0	0	---	---	---	1930
1931	---	---	---	0	---	---	---	---	---	---	---	---	---	1931
1969	---	---	---	---	---	0.007	0.028	0.057	0.062	0.046	---	---	---	1969
1970	---	---	0	0.732	0.097	0.058	0.098	0.070	0.052	0.058	---	---	0.145	1970
1971	---	---	0.007	1.41	0.225	0.276	2.00	0.224	0.115	0.065	---	---	0.597	1971
1972	---	---	0.369	1.70	0.730	0.300	0.177	0.162	0.111	0.058	---	---	0.448	1972
1973	---	---	0.112	0.303	0.219	0.276	0.187	0.139	0.080	0.136	---	---	0.181	1973
1974	---	---	0.026	5.53	4.56	1.86	2.27	1.38	0.900	0.680	---	---	2.12	1974
1975	---	---	0.388	1.05	0.678	0.465	0.288	0.049	0.038	0.032	---	---	0.371	1975
1976	---	---	0.090	0.486	0.138	0.102	0.235	0.194	0.078	0.053	---	---	0.169	1976
1977	---	---	0.049	0.308	0.778	0.446	0.050	0.050	0.084	0.060	---	---	0.228	1977
1978	---	---	0.218	0.297	0.257	0.233	0.588	0.063	0.849	0.329	---	---	0.331	1978
1979	---	---	0.723	1.44	1.22	0.889	0.778	0.769	0.426	0.173	---	---	0.801	1979
1980	---	---	0.124	1.18	0.340	0.387	0.231	0.341	0.268	0.242	---	---	0.400	1980
1981	---	---	0.853	0.524	0.220	0.141	0.148	0.117	0.021	0.045	---	---	0.235	1981
1982	---	---	0.038	1.69	0.749	0.115	4.03	2.30	2.07	1.48	---	---	1.56	1982
1983	---	---	0.450	0.833	0.505	0.535	0.850	0.834	0.775	0.228	---	---	0.600	1983
1984	---	---	0.119	0.083	0.107	0.288	0.030	0.017	0.090	0.042	---	---	0.088	1984
1985	---	---	0.219	1.25	0.272	0.103	0.034	0.140	0.148	0.158	---	---	0.287	1985
1986	---	---	0.976	0.573	0.576	0.289	0.884	0.443	0.315	0.484	---	---	0.570	1986
MEAN	---	---	0.288	0.880	0.645	0.385	0.570	0.394	0.408	0.269	---	---	0.538	MEAN

LOCATION - LAT 53 27 42 N
LONG 114 32 00 W
DRAINAGE AREA, 513 km²
NATURAL FLOW

WABAMUN CREEK NEAR DUFFIELD - STATION NO. 05DE003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1927	---	---	---	---	1927
1928	---	---	---	---	1928
1929	---	0.583 BN JUN 19	0 B ON APR 1 *	---	1929
1930	---	0.352 BN MAY 7	0 B ON APR 1	---	1930
1931	---	---	0 BN APR 1	---	1931
1969	---	---	0 BN JUN 15	---	1969
1970	---	2.38 B ON APR 8	0 B ON MAR 1	3 070	1970
1971	6.85 AT 02 00 MST ON JUL 12	5.34 BN JUL 11	0.0033 BN MAR 1	11 600	1971
1972	5.240 AT 03 00 MST ON APR 8	4.70 B ON APR 7	0.0088 BN MAR 1	9 470	1972
1973	2.64 AT 10 40 MST ON JUN 25	1.91 BN JUN 25	0.0148 BN MAR 1	3 830	1973
1974	19.4 B AT 16 00 MST ON APR 18	14.5 B ON APR 19 *	0.0148 BN MAR 1	48 900	1974
1975	---	2.88 B ON APR 21	0.0315 BN SEP 24	7 650	1975
1976	---	0.9348 BN APR 3	0.0218 BN MAR 1	3 580	1976
1977	3.57 AT 03 50 MST ON MAY 30	3.23 BN MAY 30	0.021 BN JUL 24	4 820	1977
1978	5.72 AT 15 30 MST ON JUL 11	3.30 BN JUL 12	0.0218 BN MAR 1	7 010	1978
1979	17.0 AT 00 00 MST ON APR 24 *	5.97 B ON APR 23	0.0348 BN MAR 1	17 000	1979
1980	3.148 AT 12 00 MST ON APR 12	2.40 B ON APR 12	0.041 BN AUG 2	6 670	1980
1981	3.80 AT 09 25 MST ON MAR 18	3.02 B ON MAR 18	0.012 BN SEP 15	4 980	1981
1982	11.6 AT 05 45 MST ON JUL 5	11.1 BN JUL 6	0.0209 BN MAR 1	33 100	1982
1983	3.208 AT 12 50 MST ON APR 4	3.33 BN JUL 27	0.036 BN OCT 16	13 700	1983
1984	2.10 AT 08 30 MST ON JUN 8	1.93 BN JUN 8	0.003 BN AUG 2	2 070	1984
1985	5.158 AT 05 00 MST ON APR 3	4.26 B ON APR 3	0.0053 BN MAR 8	6 080	1985
1986	4.93 AT 11 10 MST ON JUL 19	4.18 BN JUL 19	0.1260 BN APR 5	12 100	1986
				11 200	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WABASCA RIVER ABOVE PEACE RIVER - STATION NO. 07JD001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1953	---	---	---	---	---	---	73.4	65.0	56.6	41.4	---	---	---	1953
1954	---	---	8.47	33.4	282	198	89.0	239	183	110	78.3	42.4	---	1954
1955	25.7	20.5	18.9	---	---	135	93.2	82.0	65.8	78.3	104	73.5	---	1955
1956	14.6	15.6	15.1	38.5	99.5	91.6	96.6	36.5	38.6	26.0	16.5	10.7	38.7	1956
1957	7.78	6.18	6.17	16.5	374	173	92.6	63.8	31.5	25.6	13.2	6.14	66.2	1957
1958	2.83	2.21	3.21	59.2	192	86.6	109	66.5	60.7	51.3	35.1	13.7	57.2	1958
1959	7.95	5.52	5.18	---	---	81.1	36.3	21.6	51.0	128	78.6	52.6	---	1959
1970	24.0	18.6	16.7	---	---	93.4	314	131	81.6	---	---	---	---	1970
MEAN	13.8	11.0	9.82	35.4	237	133	106	83.2	72.7	65.5	64.8	33.2	53.4	MEAN

LOCATION - LAT 56 17 30 N
LONG 115 23 00 W
DRAINAGE AREA, 35 500 km²
NATURAL FLOW

WABASCA RIVER ABOVE PEACE RIVER - STATION NO 07JD001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	---	---	---	---	1982
1983	---	402 ON MAY 26	6 038 ON MAR 21	---	1983
1984	---	---	---	---	1984
1985	---	---	18 7 B ON FEB 24	---	1985
1986	---	137 ON MAY 10	8 508 ON MAR 30	1 160 000	1986
1987	637 AT 09 30 MST ON MAY 20 *	629 ON MAY 20 *	3 688 ON DEC 29	2 090 000	1987
1988	382 AT 19 00 MST ON MAY 7	374 ON MAY 7	1 648 ON JAN 20 *	1 810 000	1988
1989	---	278 ON MAY 15	5 078 ON MAR 18	---	1989
1990	589 AT 19 30 MST ON JUL 7	564 ON JUL 7	13 1 B ON MAR 30	---	1990
MEAN				1 890 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

WABASCA RIVER AT WADLIN LAKE ROAD - STATION NO 07JD002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	---	---	---	---	---	138	79 2	63 6	32 7	16 6	---	1970
1971	10 5	9 80	9 09	104	123	82 8	239	96 6	60 5	43 1	20 2	12 3	66 1	1971
1972	8 96	8 71	8 83	53 2	484	141	148	58 0	39 2	31 0	22 6	10 8	84 1	1972
1973	9 84	8 98	9 18	90 5	382	799	431	264	192	156	83 8	48 4	205	1973
1974	35 3	35 0	37 0	478	726	198	230	135	104	78 2	41 9	25 9	176	1974
1975	18 7	16 3	16 2	73 8	237	245	288	245	380	200	106	50 4	155	1975
1976	32 7	29 6	16 8	188	96 6	87 4	270	181	124	92 2	46 9	30 3	95 7	1976
1977	32 6	32 0	32 8	71 0	141	215	161	70 7	49 8	72 7	34 7	18 2	74 5	1977
1978	14 6	10 6	11 6	67 8	286	171	75 1	49 4	312	232	95 3	45 4	112	1978
1979	28 5	18 7	11 0	33 8	415	388	192	92 1	76 5	54 0	---	---	---	1979
1980	---	---	12 8	50 0	33 5	26 3	29 5	111	90 4	59 8	47 4	21 3	---	1980
1981	14 9	11 6	13 4	113	251	71 2	39 3	18 5	6 85	10 8	5 77	3 75	46 9	1981
1982	1 87	1 35	1 86	37 1	186	41 8	10 0	32 4	21 4	15 9	11 0	7 80	30 9	1982
1983	8 50	7 19	7 84	82 4	92 6	59 1	252	369	145	88 0	45 6	27 3	99 4	1983
1984	17 9	17 8	18 4	72 0	182	338	219	77 0	100	61 1	35 8	26 7	95 2	1984
1985	18 2	16 8	17 5	104	348	86 5	25 8	17 8	22 8	92 3	30 4	14 2	63 1	1985
1986	16 2	13 6	13 8	53 6	221	223	155	86 4	34 1	35 6	22 3	19 4	74 8	1986
MEAN	16 7	14 0	13 2	105	259	199	171	120	108	80 4	42 6	23 6	98 9	MEAN

LOCATION - LAT 57 52 30 N DRAINAGE AREA 35 800 km^2
LONG 113 23 20 W NATURAL FLOW

WABASCA RIVER AT WADLIN LAKE ROAD - STATION NO 07JD002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1970	---	---	---	---	1970
1971	---	348 ON APR 25	8 33 B ON FEB 20	2 150 000	1971
1972	1 690 AT 12 00 MST ON JUN 19	932 ON MAY 2	6 28 B ON FEB 18	2 680 000	1972
1973	1 700A AT 17 00 MST ON APR 27 *	1 620 ON JUN 19	8 07 B ON FEB 24	6 470 000	1973
1974		1 690A ON APR 27 *	18 2 B ON MAR 22	5 550 000	1974
1975	736 AT 23 00 MST ON SEP 2	716 ON SEP 2	14 8 B ON MAR 24	6 900 000	1975
1976	416 AT 17 30 MST ON APR 17	3628 ON APR 18	17 1 B ON MAR 3	3 150 000	1976
1977	394 AT 21 30 MST ON JUN 5	348 ON JUN 6	16 2 B ON NOV 25	2 350 000	1977
1978	442 AT 23 00 MST ON SEP 19	438 ON SEP 19	9 63 B ON FEB 22	3 530 000	1978
1979	954 AT 10 00 MST ON MAY 30	549 ON MAY 30	---	---	1979
1980	228 AT 15 00 MST ON AUG 9	225 ON AUG 9	---	---	1980
1981	935 AT 15 00 MST ON APR 27	471 ON MAY 3	2 70 B ON DEC 31	1 480 000	1981
1982	325 AT 11 00 MST ON APR 30	274 ON MAY 2	0 900B ON FEB 11 *	975 000	1982
1983	839 AT 15 30 MST ON JUL 29	823 ON JUL 29	5 84 B ON FEB 6	3 140 000	1983
1984	730 AT 03 00 MST ON JUN 5	719 ON JUN 4	12 9 B ON MAR 22	3 010 000	1984
1985	861 AT 08 30 MST ON MAY 8	638 ON MAY 8	12 7 ON AUG 24	1 990 000	1985
1986	676A ON JUN 23	565E ON JUN 23	9 12 B ON MAR 6	2 360 000	1986
MEAN				3 120 000	MEAN

A - MANUAL GAUGE B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
[SEE REFERENCE (1986)] E - ESTIMATED

WABASCA RIVER BELOW TROUT RIVER - STATION NO 07JF002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1985	10 8	10 8	12 8	36 2	94 3	38 3	13 0	8 21	8 70	15 9	15 3	10 0	23 4	1985
1986	8 99	9 70	11 5	21 1	30 8	26 5	52 6	51 0	24 7	23 1	15 5	11 2	23 9	1986
MEAN	11 7	9 30	12 7	28 7	62 6	32 9	32 8	29 8	16 7	19 5	15 4	10 6	23 7	MEAN

LOCATION - LAT 58 19 27 N
LONG 113 87 10 W NATURAL FLOW

WABASCA RIVER BELOW TROUT RIVER - STATION NO 07JB002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1985	117 AT 17:30 MST ON MAY 13 *	116 ON MAY 13 *	7.15 ON SEP 6	740 000	1985
1986	78.4 AT 23:00 MST ON JUL 28	78.2 ON JUL 29	8.388 ON FEB 23 *	753 000	1986
				747 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

WABASH CREEK NEAR PIBROCH - STATION NO 07BC007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1979	---	---	---	---	---	---	---	---	0.001	0.135	---	---	---	1979
1980	---	---	0.049	1.21	0.005	0.004	0.003	0.002	0.002	0.037	---	---	0.181	1980
1981	---	---	2.65	1.12	0.041	0.011	0.015	0	0	0.080	---	---	0.491	1981
1982	---	---	0	5.85	0.718	0	0	0	0	0	---	---	0.783	1982
1983	---	---	0.004	0.804	0.016	0.956	0.981	0.003	0.001	0.063	---	---	0.325	1983
1984	---	---	0.887	0.212	0.027	0.022	0	0.012	0.044	0.039	---	---	0.131	1984
1985	---	---	1.11	5.22	0.122	0.023	0.004	0.002	0.002	0.080	---	---	0.805	1985
1986	---	---	3.00	0.451	0.108	0.002	0.415	0.058	0.003	0.158	---	---	0.529	1986
MEAN	---	---	1.07	2.07	0.148	0.145	0.203	0.011	0.007	0.089	---	---	0.481	MEAN

LOCATION - LAT 54 13 27 N LONG 113 55 26 W DRAINAGE AREA 339 km^2 NATURAL FLOW

WABASH CREEK NEAR PIBROCH - STATION NO 07BC007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1979	---	---	---	---	1979
1980	4.378 AT 10:55 MST ON APR 6	3.748 ON APR 6	0 B ON MAR 1 *	3 400	1980
1981	12.5 AT 06:00 MST ON MAR 29	12.0 B ON MAR 29	0 B ON MAR 1	10 400	1981
1982	35.3 AT 18:35 MST ON APR 24 *	34.1 ON APR 24 *	0 B ON MAR 1	16 600	1982
1983	5.63 AT 07:00 MST ON JUN 26	5.18 ON JUN 26	0 B ON MAR 1	6 880	1983
1984	---	2.798 ON MAR 27	0 B ON MAR 1	2 770	1984
1985	22.4 AT 17:25 MST ON APR 3	21.9 A ON APR 3	0 B ON MAR 1	17 000	1985
1986	---	5.398 ON MAR 21	0.001 ON JUN 2	11 200	1986
				9 750	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

WABASH CREEK NEAR WESTLOCK - STATION NO 07BC003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	0	2.12	1.04	0.032	0	0	0	0.006	---	---	0.395	1967
1968	---	---	0.749	0.118	0.005	0.007	0	0	0	0.010	---	---	0.113	1968
1969	---	---	0	3.68	0.052	0.004	0	0.372	0.419	0.015	---	---	0.558	1969
1970	---	---	0.003	4.87	0.050	0.048	0.219	0.074	0.025	0.003	---	---	0.650	1970
1971	---	---	0.084	7.07	0.107	1.04	8.27	0.142	0.002	0.001	---	---	1.83	1971
1972	---	---	0.037	8.05	0.524	0.043	0.007	0	0	0	---	---	1.08	1972
1973	---	---	0.745	1.01	0.052	0.282	0.078	0.048	0.007	0.012	---	---	0.278	1973
1974	---	---	0	14.8	1.18	0.005	2.72	0.038	0.009	0.005	---	---	2.29	1974
1975	---	---	0	1.42	0.293	0.051	0.288	0.118	0.121	0.008	---	---	0.284	1975
1976	---	---	0.280	1.41	0.108	0.006	0.001	0	0	0	---	---	0.222	1976
1977	---	---	0	2.55	0.118	0.094	0.148	0.022	0.017	0.044	---	---	0.383	1977
1978	---	---	0.777	2.22	0.125	0.086	0.056	0.024	0.418	0.277	---	---	0.493	1978
1979	---	---	1.74	5.82	0.203	0.250	2.80	---	---	---	---	---	---	1979
MEAN	---	---	0.340	4.23	0.297	0.147	0.966	0.070	0.085	0.032	---	---	0.711	MEAN

LOCATION - LAT 54 11 31 N LONG 113 55 32 W DRAINAGE AREA 325 km^2 NATURAL FLOW

WABASH CREEK NEAR WESTLOCK - STATION NO 07BC003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	15.1 AT 03 00 MST ON APR 29	15.2 ON APR 28	0.8 ON MAR 1 *	8 370	1967
1968	---	2.808 ON MAR 5	0 ON JUN 23	2 390	1968
1969	21.2 AT 23 00 MST ON APR 12	20.7 ON APR 13	0.8 ON MAR 1	11 800	1969
1970	24.7 AT 09 45 MST ON APR 11	23.6 ON APR 11	0 ON OCT 1	13 700	1970
1971	38.8 AT 21 00 MST ON APR 19	35.7 ON APR 19	0.8 ON MAR 1	38 700	1971
1972	27.2 E AT 22 30 MST ON APR 15	25.5 ON APR 15	0.8 ON MAR 1	23 500	1972
1973	4.508 AT 16 40 MST ON APR 1	4.468 ON MAR 31	0.8 ON MAR 1	5 880	1973
1974	64.3 A ON APR 19 *	50.3 E ON APR 20 *	0.8 ON MAR 1	48 500	1974
1975	8.808 AT 20 00 MST ON APR 21	8.238 ON APR 21	0.8 ON MAR 1	6 010	1975
1976	---	3.408 ON APR 2	0.8 ON MAR 1	4 700	1976
1977	18.6 E AT 23 30 MST ON APR 8	16.4 ON APR 9	0.8 ON MAR 1	7 890	1977
1978	11.8 E AT 19 40 MST ON MAR 31	11.2 E ON MAR 31	0.8 ON MAR 1	10 400	1978
1979	16.0 AT 01 50 MST ON APR 21	15.0 ON APR 21	0.8 ON MAR 1	---	1979
MEAN				15 100	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
E - ESTIMATED
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WABATANISK CREEK AT HIGHWAY NO 876 - STATION NO 07GH005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1985	---	---	0.084	1.81	1.52	0.099	0.284	0.018	0.008	0.040	---	---	0.459	1985
MEAN	---	---	0.084	1.81	1.53	0.099	0.284	0.018	0.008	0.040	---	---	0.459	MEAN

LOCATION - LAT 55 25 30 N, LONG 117 31 30 W
DRAINAGE AREA 127 km^2
NATURAL FLOW

WABATANISK CREEK AT HIGHWAY NO 876 - STATION NO 07GH005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1985	6.09 AT 03 30 MST ON APR 22 *	5.25 ON APR 22 *	0.8 ON MAR 1 *	9 710	1985
				9 710	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WAINSCOTT COULEE NEAR BROWNVALE - STATION NO 07FD014

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1977	---	---	---	---	---	---	---	---	---	0.027	---	---	---	1977
1978	---	---	0.041	0.849	0.100	0.021	0.001	0	0	0	---	---	0.100	1978
1979	---	---	0	0.486	1.04	0.069	0.214	0.002	0	0	---	---	0.224	1979
1980	---	---	0.002	0.023	0	0	0	0	0	0	---	---	0.003	1980
1981	---	---	0.050	0.594	0.078	0.005	0	0	0	0	---	---	0.080	1981
1982	---	---	0	0.317	0.018	0.001	0	0.001	0	0	---	---	0.041	1982
1983	---	---	0	0.119	0.008	0.013	0.075	0.041	0.001	0.001	---	---	0.033	1983
1984	---	---	0.152	0.041	0.473	0.184	0.183	0	0.008	0.008	---	---	0.126	1984
1985	---	---	0.018	0.758	0.032	0.005	0	0	0	0.024	---	---	0.102	1985
1986	---	---	0.208	0.809	0.134	0.013	0.014	0.001	0	0	---	---	0.148	1986
MEAN	---	---	0.052	0.419	0.209	0.032	0.052	0.005	0.001	0.004	---	---	0.085	MEAN

LOCATION - LAT 55 01 37 N, LONG 117 56 08 W
DRAINAGE AREA 148 km^2
NATURAL FLOW

WAINSCOTT COULEE NEAR BROWNVALE - STATION NO 07FD014

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1977	---	---	0 ON SEP 19 *	---	1977
1978	4.05 B AT 13 00 MST ON APR 9	2.72 B ON APR 9	0.8 ON MAR 1	2 110	1978
1979	14.8 B AT 19 30 MST ON APR 30 *	10.0 B ON APR 30 *	0.8 ON MAR 1	4 730	1979
1980	0.1978 AT 11 30 MST ON APR 5	0.0999 ON APR 4	0.8 ON MAR 1	87.9	1980
1981	2.93 AT 03 00 MST ON APR 20	2.36 ON APR 20	0.8 ON MAR 1	1 900	1981
1982	5.94 AT 20 00 MST ON APR 24	2.78 ON APR 25	0.8 ON MAR 1	878	1982
1983	---	1.03 A ON APR 15	0.8 ON MAR 1	879	1983
1984	5.40 AT 08 30 MST ON MAY 31	4.84 ON MAY 31	0.8 ON MAR 1	2 880	1984
1985	3.47 ON APR 8	3.00 B ON APR 8	0.8 ON MAR 1	2 180	1985
1986	3.83 AT 04 00 MST ON APR 5	3.05 ON APR 5	0.8 ON MAR 1	3 090	1986
MEAN				3 030	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WAIPAROUS CREEK BELOW MEADOW CREEK - STATION NO 08BC009

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	2.62	5.26	---	---	---	---	---	---	---	1972
1977	---	---	---	---	---	---	1.14	2.39	1.67	1.25	---	---	---	1977
1978	---	---	---	---	3.34	4.86	3.39	2.65	2.28	1.22	---	---	---	1978
1979	---	---	---	---	3.11	2.45	1.30	1.75	0.878	0.989	---	---	2.85	1979
1980	---	---	---	---	1.89	5.03	1.81	1.94	1.85	0.879	---	---	1.69	1980
1981	---	---	---	---	6.21	4.80	2.35	5.80	2.26	1.28	---	---	2.16	1981
1982	---	---	---	---	1.97	3.40	2.71	1.33	1.43	1.37	---	---	4.80	1982
1983	---	---	---	---	3.89	3.86	5.28	1.89	1.18	0.903	---	---	2.02	1983
1984	---	---	---	---	1.19	2.45	0.936	0.780	0.761	1.10	---	---	2.77	1984
MEAN	---	---	---	---	2.98	3.99	2.96	2.43	1.84	1.07	---	---	1.19	MEAN
													2.51	

LOCATION - LAT 51 22 04 N LONG 114 59 27 W DRAINAGE AREA 230 km² NATURAL FLOW

WAIPAROUS CREEK BELOW MEADOW CREEK - STATION NO 08BC009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1972	---	15.4 ON JUN 24	---	---	1972
1977	8.35 AT 08 00 MST ON AUG 14	7.02 ON AUG 14	---	---	1977
1978	---	8.52 ON JUN 4	---	---	1978
1979	10.5 AT 21 00 MST ON MAY 28	5.74 ON MAY 28	1.04 B ON OCT 29	45 900	1979
			0.3339 ON OCT 30 *	25 800	
1980	11.8 AT 23 00 MST ON JUN 9	9.18 ON JUN 10	0.8576 ON MAY 15	34 400	1980
1981	28.5 AT 10 30 MST ON JUL 30	22.1 ON JUL 30	0.906 ON MAY 7	76 200	1981
1982	10.0 AT 20 46 MST ON JUN 22	5.05 ON JUN 25	0.332 ON MAY 9	32 000	1982
1983	48.0 AT 09 57 MST ON JUL 3 *	28.7 ON JUL 3 *	0.8786 ON OCT 24	44 100	1983
1984	7.83 AT 20 15 MST ON JUN 12	5.70 ON JUN 13	0.4728 ON MAY 1	18 900	1984
				35 900	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

WAIPAROUS CREEK NEAR THE MOUTH - STATION NO 08BC006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	0.785	1.61	3.98	4.59	4.87	3.80	2.26	1.87	---	---	---	1966
1967	---	---	0.322	0.802	8.80	11.8	3.26	1.88	0.905	0.381	---	---	---	1967
1968	---	---	0.701	0.871	2.09	3.87	2.62	2.99	2.12	2.12	---	---	---	1968
1969	---	---	0.739	3.52	7.85	9.31	11.7	2.88	1.88	1.44	0.954	0.502	---	1969
1970	0.155	0.382	0.386	0.737	3.13	7.76	3.03	1.23	1.08	0.698	0.837	0.328	1.82	1970
1971	0.374	0.611	0.333	1.13	2.11	5.32	1.76	1.16	1.08	0.830	0.802	0.316	1.29	1971
1972	0.276	0.382	0.716	1.49	4.47	6.87	5.20	2.46	1.83	1.34	0.782	0.887	2.20	1972
1973	0.578	0.616	0.579	1.58	7.48	6.63	3.92	2.28	1.98	1.15	0.617	0.455	2.22	1973
1974	0.295	0.469	0.412	2.16	8.88	7.57	2.93	2.48	1.76	1.13	0.819	0.905	2.29	1974
1975	0.350	0.231	0.347	0.816	2.45	2.33	2.61	2.09	1.19	0.883	0.854	0.539	1.22	1975
1976	0.484	0.337	0.370	1.33	2.17	1.91	1.88	3.81	1.98	1.20	0.780	0.573	1.39	1976
1977	0.343	0.480	0.435	0.842	2.68	2.12	1.18	1.91	1.98	1.52	0.871	0.453	1.23	1977
1978	0.337	0.306	0.805	2.16	3.70	4.70	3.78	2.84	2.27	1.90	1.02	0.867	2.02	1978
1979	0.181	0.287	0.721	1.63	3.37	2.55	1.44	1.82	1.11	0.881	0.390	0.370	1.23	1979
1980	0.187	0.245	0.283	3.01	2.05	5.14	1.95	1.83	1.70	1.05	0.750	0.720	1.50	1980
1981	0.584	0.782	0.492	0.858	8.03	5.86	10.5	7.77	2.35	1.80	0.891	0.955	3.36	1981
1982	0.174	0.148	0.200	0.950	2.36	4.35	3.06	1.87	1.70	1.50	0.990	0.585	1.44	1982
1983	0.461	0.526	0.436	2.08	3.88	4.03	4.71	1.87	1.27	1.05	0.500	0.409	1.85	1983
1984	0.392	0.434	0.478	0.784	1.42	2.80	1.06	0.839	0.878	1.34	0.653	0.277	0.926	1984
1985	0.115	0.076	0.324	1.11	2.50	1.82	1.00	2.45	4.98	1.71	0.782	0.747	1.47	1985
1986	0.452	0.427	0.882	0.984	4.90	4.02	7.16	2.83	3.78	4.79	1.47	1.02	2.73	1986
MEAN	0.338	0.368	0.496	1.40	4.09	5.01	3.83	2.50	1.99	1.43	0.735	0.548	1.77	MEAN

LOCATION - LAT 51 16 56 N LONG 114 50 15 W DRAINAGE AREA 334 km² NATURAL FLOW

WAIPAROUS CREEK NEAR THE MOUTH - STATION NO 05BG006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	24 4 AT 13 00 MST ON JUL 3	18 7 ON JUL 3	...	...	1965
1967	110 AT 03 00 MST ON MAY 31 *	72 2 ON MAY 31 *	...	...	1967
1968	13 6 AT 23 19 MST ON JUN 2	7 31 ON JUN 3	...	...	1968
1969	51 5 AT 14 24 MST ON JUN 29	44 5 ON JUN 29	...	...	1969
1970	71 9 AT 07 21 MST ON JUN 16	49 6 ON JUN 16	0 1358 ON JAN 12	51 100	1970
1971	34 5 AT 06 30 MST ON JUN 6	24 4 ON JUN 6	0 1568 ON DEC 23	40 600	1971
1972	40 5 AT 08 30 MST ON JUN 24	27 3 ON JUN 24	0 1848 ON JAN 1	88 700	1972
1973	36 2 AT 09 30 MST ON MAY 26	30 0 ON MAY 25	0 1988 ON NOV 28	89 800	1973
1974	17 0 AT 22 50 MST ON JUN 15	13 2 ON MAY 26	0 2558 ON JAN 10	72 100	1974
1975	11 6 IN JUL	6 51E ON JUL 30	0 2048 ON FEB 3	38 300	1975
1976	12 9 AT 04 00 MST ON AUG 5	9 80 ON AUG 10	0 3118 ON MAR 1	44 000	1976
1977	11 5 AT 06 30 MST ON MAY 24	6 89 ON MAY 24	0 2838 ON JAN 14	38 900	1977
1978	32 0 AT 18 00 MST ON APR 28	15 0 ON APR 28	0 2018 ON DEC 30	83 700	1978
1979	8 87 AT 02 00 MST ON MAY 24	7 27 ON MAY 24	0 1378 ON JAN 16	38 700	1979
1980	11 6 AT 02 00 MST ON JUN 10	8 58 ON JUN 3	0 0908 ON JAN 10	47 400	1980
1981	57 8 AT 15 15 MST ON JUL 30	38 2 ON JUL 30	0 3568 ON DEC 16	106 000	1981
1982	15 4 AT 23 14 MST ON JUN 22	8 07 ON JUN 28	0 0808 ON JAN 23	45 300	1982
1983	83 4 AT 11 20 MST ON JUL 3	36 3 ON JUL 3	0 1988 ON NOV 23	81 400	1983
1984	7 21 AT 23 20 MST ON JUN 12	5 71 ON JUN 8	0 1008 ON DEC 29	29 300	1984
1985	43 4 AT 23 39 MST ON SEP 12	25 3 ON SEP 12	0 0578 ON FEB 11 *	45 300	1985
1986	43 2 AT 17 16 MST ON JUL 17	32 0 ON JUL 17	0 3788 ON FEB 19	86 200	1986
				55 800	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WALBURGER COULEE BELOW DIVERSIONS - STATION NO 11AB086

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1960	---	---	---	---	---	---	0	0 021	0 002	0	---	---	---	1960
1961	---	---	0 004	0 001	0 118	0 128	0 186	0	0	0	---	---	0 054	1961
1962	---	---	0 022	0 001	0	0	0	0	0	0	---	---	0 003	1962
1963	---	---	0	0	0	0	0 008	0	0	0	---	---	0 001	1963
1964	---	---	0 006	0 001	0	0	0	0	0	0	---	---	0 001	1964
1965	---	---	0	0 138	0 005	0 144	0 022	0 009	0 002	0	---	---	0 039	1965
1966	---	---	0 153	0 262	0	0	0	0	0	0	---	---	0 050	1966
1967	---	---	0	0 385	0 706	0 313	0 128	0 115	0 007	0 021	---	---	0 209	1967
1968	---	---	0 009	0 001	0 001	0 002	0 011	0	0 041	0 003	---	---	0 008	1968
1969	---	---	---	0 100	0 001	0 010	0 021	0 001	0	0 023	---	---	---	1969
1970	---	---	---	0 010	0 504	0 428	0 008	0	0	0	---	---	---	1970
1971	---	---	---	0 068	0 001	0 003	0	0 001	0	0 030	---	---	---	1971
1972	---	---	---	0 002	0 005	0 023	0	0	0	0 015	---	---	---	1972
1973	---	---	---	0 229	0 132	0 004	0	0	0	0	---	---	---	1973
1974	---	---	0 001	0 001	0	0	0	0	0	0	---	---	0	1974
1975	---	---	0	0 009	0 028	0 037	0	0	0	0	---	---	0 009	1975
1976	---	---	---	0 002	0	0	0	0	0	0	---	---	---	1976
1977	---	---	0	0	0	0 001	0	0	0	0	---	---	0	1977
1978	---	---	0 001	0 023	0 001	0	0	0	0	0	---	---	0 003	1978
MEAN	---	--	0 015	0 068	0 089	0 081	0 020	0 008	0 003	0 005	---	---	0 031	MEAN

LOCATION - LAT 49 17 30 N
LONG 110 01 20 W
DRAINAGE AREA 84 4 km^2
REGULATED
INTERNATIONAL GAUGING STATION

WALBURGER COULEE BELOW DIVERSIONS - STATION NO 11AB086

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1960	...	...			
1961	...	0 685 ON MAY 12	0E ON JUL 1 *	...	1960
1962	...	0 2278 ON MAR 28	0B ON MAR 1	1 150	1961
1963	...	0 051 ON JUL 14	0B ON MAR 1	61 8	1962
1964	...	0 0828 ON MAR 18	0B ON MAR 1	20 8	1963
1965	...	1 44 ON JUN 25	0B ON MAR 1	834	1964
1966	...	1 63 8 ON MAR 29 *	0B ON MAR 1	1 060	1965
1967	...	1 42 8 ON APR 10	0B ON MAR 1	4 430	1966
1968	...	0 694 ON SEP 29	0 ON JUN 17	179	1967
1969	...	0 597A ON APR 10	0 ON APR 1	...	1968
1970	...	1 55 ON JUN 13	0B ON APR 1	...	1969
1971	0 634 AT 12 52 CST ON OCT 31	0 5308 ON APR 9	0B ON APR 1	...	1970
1972	2 14 AT 08 20 CST ON JUN 23 *	0 532 ON JUN 23	0 ON APR 12	...	1971
1973	...	1 53 ON APR 28	0A ON MAR 20	...	1972
1974	...	0 0088 ON MAR 31	0B ON MAR 1	4 50	1973
1975	1 75 AT 20 32 CST ON JUN 19	0 733 ON JUN 20	0B ON MAR 1	195	1974
1976	...	...	0 ON APR 28	...	1975
1977	...	0 042 ON JUN 18	0 ON MAR 1	3 83	1976
1978	...	0 5218 ON APR 5	0B ON MAR 1	84 2	1977
				888	1978
					MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WAMPUS CREEK NEAR HINTON - STATION NO 07AF003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	---	---	0.207	0.167	---	---	---	1966
1967	---	---	---	---	---	0.848	0.173	0.081	0.050	0.053	0.035	---	---	1967
1968	---	---	---	0.036	0.506	0.299	0.467	0.398	0.171	0.115	0.078	0.026	0.288	1968
1969	---	---	---	---	0.453	0.442	0.821	0.965	0.188	0.130	---	---	---	1969
1970	---	---	---	---	0.556	0.572	0.117	0.065	0.049	0.030	---	---	---	1970
1971	---	---	---	0.132	0.657	1.09	0.889	0.132	0.140	0.154	---	---	0.424	1971
1972	---	---	---	---	0.983	1.20	0.336	0.122	0.237	0.294	---	---	---	1972
1973	---	---	---	0.086	1.83	0.462	0.216	0.139	0.132	0.182	---	---	0.432	1973
1974	---	---	---	0.344	1.12	0.412	0.285	0.129	0.174	0.118	---	---	0.366	1974
1975	---	---	---	0.037	0.405	0.343	0.193	0.077	0.059	0.046	---	---	0.186	1975
1976	---	---	---	0.148	0.583	0.476	0.175	0.353	0.180	0.087	---	---	0.280	1976
1977	---	---	---	0.082	1.46	0.559	0.511	0.403	0.500	0.261	---	---	0.544	1977
1978	---	---	---	0.312	1.01	0.686	0.503	0.243	0.526	0.201	---	---	0.458	1978
1979	---	---	---	0.036	0.855	0.441	0.295	0.103	0.046	0.077	---	---	0.237	1979
1980	---	---	---	0.370	0.507	2.93	0.675	0.305	0.451	0.204	---	---	0.771	1980
1981	---	---	---	0.076	0.628	0.533	0.645	0.306	0.126	0.050	---	---	0.339	1981
1982	---	---	---	0.234	0.783	0.577	1.21	0.387	0.353	0.491	---	---	0.577	1982
1983	---	---	---	0.275	0.564	0.405	0.289	0.076	0.049	0.061	---	---	0.243	1983
1984	---	---	---	0.240	0.416	0.479	0.089	0.050	0.239	0.472	---	---	0.284	1984
1985	---	---	---	0.243	0.328	0.475	0.178	0.585	0.651	0.288	---	---	0.385	1985
1986	---	---	---	0.245	0.700	0.284	1.22	0.246	0.289	0.457	---	---	0.495	1986
MEAN	---	---	---	0.180	0.743	0.676	0.452	0.256	0.227	0.186	0.057	0.028	0.395	MEAN

LOCATION - LAT 53 09 22 N DRAINAGE AREA 25.4 km²
LONG 117 15 40 W NATURAL FLOW

WAMPUS CREEK NEAR HINTON - STATION NO 07AF003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1968	2.13 AT 17 20 MST ON JUL 20	2.83 E ON JUN 8	---	---	1968
1969	20.4 AT 17 39 MST ON AUG 5 *	1.56 ON JUL 22 7.99 ON AUG 5	0.0018 ON APR 15 *	5 290	1969
1970	3.94 AT 05 00 MST ON JUN 16	3.37 ON JUN 16	---	---	1970
1971	7.50 AT 23 30 MST ON JUN 8	5.27 ON JUN 9	0.0118 ON APR 1	7 850	1971
1972	10.3 AT 15 00 MST ON JUN 25	8.91 ON JUN 25	---	---	1972
1973	8.38 AT 19 15 MST ON MAY 15	5.21 ON MAY 16	0.0148 ON APR 1	7 950	1973
1974	2.42 AT 22 30 MST ON MAY 6	1.78 ON MAY 6	0.040 ON AUG 9	8 770	1974
1975	0.954 AT 13 00 MST ON JUN 17	0.850B ON MAY 8	0.0148 ON APR 1	3 060	1975
1976	1.45 AT 00 10 MST ON MAY 3	1.22 ON MAY 2	0.0148 ON APR 1	5 190	1976
1977	8.75 AT 16 20 MST ON MAY 28	4.90 ON MAY 29	0.0408 ON APR 20	10 100	1977
1978	8.04 AT 09 10 MST ON MAY 16	4.05 ON MAY 16	0.0898 ON APR 1	9 210	1978
1979	1.57 AT 06 00 MST ON JUN 20	1.10 ON MAY 16	0.008 ON SEP 18	4 380	1979
1980	18.1 AT 08 30 MST ON JUN 4	15.5 ON JUN 4 *	0.0508 ON APR 1	14 300	1980
1981	3.34 AT 02 45 MST ON JUL 30	2.45 ON JUL 30	0.0208 ON APR 1	6 270	1981
1982	7.43 AT 19 55 MST ON JUL 4	5.55 ON JUL 5	0.0058 ON APR 1	10 700	1982
1983	1.85 AT 10 35 MST ON JUN 24	1.28 ON JUN 24	0.0388 ON APR 10	4 500	1983
1984	2.28 AT 21 10 MST ON OCT 4	1.71 ON OCT 4	0.033 ON AUG 23	5 280	1984
1985	3.06 AT 12 50 MST ON AUG 15	2.13 ON AUG 15	0.085 ON AUG 8	7 130	1985
1986	11.5 AT 21 33 MST ON JUL 17	5.58 ON JUL 17	0.0708 ON APR 12	9 150	1986
				7 320	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WANDERING RIVER NEAR WANDERING RIVER - STATION NO 07CA006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	0.239	6.12	6.24	8.43	29.1	4.32	1.51	0.603	0.577	0.347	---	1971
1972	0.189	0.144	0.180	2.35	12.6	8.83	4.82	1.95	0.779	1.28	0.902	0.459	2.71	1972
1973	0.207	0.142	0.122	1.37	8.26	27.6	9.66	11.9	5.84	8.19	4.34	1.48	6.61	1973
1974	0.852	0.476	0.354	18.6	26.6	4.99	9.21	3.88	6.13	4.27	1.86	0.589	6.61	1974
1975	0.289	0.210	0.189	2.73	11.3	5.89	5.97	10.4	24.7	5.56	2.15	0.571	6.18	1975
1976	0.245	0.195	0.186	2.31	1.14	7.27	16.3	3.78	4.43	2.61	0.892	0.377	3.24	1976
1977	0.234	0.183	0.136	2.55	9.88	6.85	3.30	2.20	1.08	1.66	0.842	0.382	2.42	1977
1978	0.175	0.137	0.148	1.86	5.82	7.17	2.93	1.26	19.5	8.74	1.93	0.506	4.22	1978
1979	0.245	0.198	0.196	0.926	10.3	10.8	11.8	4.71	5.54	2.58	1.15	0.384	4.09	1979
1980	0.177	0.095	0.050	2.13	0.949	0.487	0.548	14.5	8.07	3.93	1.48	0.406	2.75	1980
1981	0.200	0.128	0.094	2.48	3.98	1.14	2.88	0.678	0.093	0.053	0.179	0.195	0.891	1981
1982	0.176	0.120	0.089	1.33	4.94	2.12	1.38	2.15	0.779	0.495	0.371	0.209	1.19	1982
1983	0.206	0.188	0.101	2.73	3.25	2.01	18.3	11.8	4.14	2.42	1.83	0.826	4.11	1983
1984	0.214	0.152	0.111	4.38	4.43	19.4	5.94	1.55	4.49	3.28	2.00	0.749	4.21	1984
1985	0.252	0.180	0.184	7.37	15.3	2.48	1.44	0.534	0.243	1.44	0.918	0.233	2.65	1985
1986	0.136	0.095	0.085	2.80	5.10	3.18	13.6	5.37	0.612	0.490	0.439	0.289	2.78	1986
MEAN	0.252	0.174	0.152	3.87	8.18	7.26	8.12	5.05	5.82	2.98	1.37	0.498	3.84	MEAN

LOCATION - LAT 55 11 57 N DRAINAGE AREA 1 110 km²
LONG 112 27 58 W NATURAL FLOW

WANDERING RIVER NEAR WANDERING RIVER - STATION NO 07CA006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	53.2 ON JUL 8	53.2 ON JUL 8	---	---	1971
1972	---	30.7 A ON MAY 8	0.1398 ON FEB 19	85 700	1972
1973	66.3 AT 09 30 MST ON JUN 21	65.7 ON JUN 21	0.1138 ON MAR 17	208 000	1973
1974	69.7 AT 16 00 MST ON APR 29 *	66.8 ON APR 29 *	0.2808 ON APR 5	205 000	1974
1975	55.8 AT 11 30 MST ON SEP 5	55.5 ON SEP 5	0.1508 ON MAR 24	194 000	1975
1976	35.1 AT 11 00 MST ON JUL 2	35.1 ON JUL 2	0.0238 ON FEB 29	102 000	1976
1977	15.0 AT 01 30 MST ON MAY 23	14.9 ON MAY 23	0.1188 ON MAR 22	76 300	1977
1978	37.4 AT 16 30 MST ON SEP 22	37.1 ON SEP 22	0.1188 ON FEB 27	133 000	1978
1979	19.2 AT 19 30 MST ON JUL 18	18.1 ON JUL 18	0.1788 ON MAR 23	129 000	1979
1980	29.5 AT 18 00 MST ON AUG 12	29.3 ON AUG 12	0.0388 ON MAR 8	85 800	1980
1981	11.1 AT 22 40 MST ON MAY 2	8.89 ON MAY 2	0.004 ON OCT 5 *	31 300	1981
1982	9.30 AT 06 18 MST ON APR 30	8.93 ON MAY 2	0.0738 ON MAR 5	37 500	1982
1983	86.5 AT 22 05 MST ON JUL 26	85.4 ON JUL 26	0.0308 ON MAR 6	129 000	1983
1984	42.4 AT 03 03 MST ON JUN 7	41.8 ON JUN 7	0.0518 ON MAR 21	133 000	1984
1985	28.6 AT 15 28 MST ON MAY 11	28.1 ON MAY 10	0.120 ON SEP 11	83 500	1985
1986	36.0 AT 19 24 MST ON JUL 23	35.7 ON JUL 23	0.0748 ON MAR 13	87 800	1986
				115 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

WAPITI RIVER NEAR GRANDE PRAIRIE - STATION NO 07GE001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1918	20.6	12.8	9.11	---	---	---	---	---	---	---	---	---	---	1918
1980	---	---	---	---	---	---	---	---	---	---	---	17.6	---	1980
1981	8.89	5.20	8.89	15.7	182	195	78.8	30.8	48.3	94.6	52.9	22.3	80.6	1981
1982	13.8	18.6	9.87	78.5	284	287	282	83.2	70.0	55.3	35.9	20.4	105	1982
1983	18.9	20.6	15.8	84.0	339	272	111	50.2	44.0	48.3	18.3	15.5	85.9	1983
1984	12.3	13.6	10.1	41.4	280	380	369	305	189	136	89.0	30.0	183	1984
1985	21.5	21.7	30.1	212	381	455	479	78.1	88.7	126	52.3	20.1	183	1985
1986	14.4	18.6	17.2	196	303	235	188	123	78.4	82.2	38.0	35.0	107	1986
1987	20.8	15.2	13.7	33.0	487	827	169	86.0	36.9	44.3	21.2	10.1	128	1987
1988	17.2	21.1	27.8	42.0	275	380	177	103	87.0	72.1	47.4	18.2	104	1988
1989	12.7	9.44	9.23	137	243	205	85.0	71.6	189	88.5	30.2	17.5	82.4	1989
1970	12.4	10.9	14.2	55.0	128	228	82.2	55.1	45.5	41.3	17.0	13.0	58.7	1970
1971	8.71	9.42	8.17	73.5	219	420	388	82.2	53.9	121	33.3	21.3	117	1971
1972	11.3	10.9	16.4	106	385	581	179	83.8	42.0	183	83.8	38.8	137	1972
1973	20.4	16.0	12.9	114	288	218	103	57.4	59.7	89.2	25.4	20.7	84.1	1973
1974	12.3	10.5	8.98	189	386	328	180	89.1	57.7	86.8	26.5	16.2	111	1974
1975	12.2	9.33	9.91	32.5	161	256	233	65.3	42.9	28.8	52.2	21.8	78.5	1975
1976	17.9	16.8	12.9	131	359	305	270	380	128	72.1	34.4	21.1	145	1976
1977	17.4	15.5	12.2	99.9	383	293	233	117	102	152	50.4	22.8	124	1977
1978	14.4	10.5	13.1	48.2	148	200	155	71.5	98.3	84.2	52.6	19.5	77.7	1978
1979	12.6	10.9	14.2	89.5	275	376	164	48.5	30.7	28.8	14.6	9.13	87.5	1979
1980	7.78	7.33	6.80	98.0	171	449	172	105	148	91.2	34.3	30.4	105	1980
1981	22.2	23.2	28.4	78.5	280	203	88.2	52.4	26.3	22.4	32.2	12.5	75.3	1981
1982	9.50	9.84	7.93	26.9	230	319	497	287	113	59.1	20.0	16.2	134	1982
1983	12.5	10.4	8.97	93.3	200	238	287	87.7	42.0	34.6	31.3	13.3	87.1	1983
1984	11.0	11.0	12.8	33.7	135	273	117	50.6	103	101	28.2	15.1	73.4	1984
1985	13.7	10.3	15.4	35.4	192	239	110	67.4	131	85.8	25.4	19.4	78.3	1985
1986	13.7	10.1	22.5	63.1	324	336	228	55.5	47.7	82.5	24.1	15.1	83.1	1986
MEAN	14.5	13.3	14.0	81.8	284	327	205	89.6	80.0	78.9	36.5	19.8	103	MEAN

LOCATION - LAT 55 04 20 N, LONG 118 48 10 W DRAINAGE AREA 11 300 km^2, NATURAL FLOW

WAPITI RIVER NEAR GRANDE PRAIRIE - STATION NO 07GE001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	---	38 18 ON JAN 6	7 398 ON MAR 17	---	1978
1980	---	---	---	---	1980
1981	---	396 ON MAY 24	4 028 ON FEB 19 *	1 920 000	1981
1982	1 380 AT 18 00 MST ON JUL 19	1 020 ON JUL 19	7 858 ON MAR 8	3 300 000	1982
1983	---	535 ON MAY 23	11 1 8 ON DEC 21	2 740 000	1983
1984	---	2 090 ON JUN 29	6 092 ON JAN 24	5 320 000	1984
1985	2 730A AT 21 00 MST ON JUL 9	2 280 A ON JUL 9	9 838 ON JAN 14	5 130 000	1985
1986	848 AT 20 15 MST ON MAY 11	806 ON MAY 11	11 8 8 ON JAN 25	3 370 000	1986
1987	---	950 ON JUN 3	8 509 ON DEC 17	4 050 000	1987
1988	844 AT 15 30 MST ON JUN 14	807 ON JUN 14	11 2 8 ON JAN 10	3 300 000	1988
1989	---	402 ON MAY 4	7 938 ON MAR 20	2 910 000	1989
1970	---	467 ON JUN 4	8 952 ON MAR 4	1 850 000	1970
1971	1 040 AT 18 00 MST ON JUN 17	958 ON JUL 13	7 258 ON JAN 28	3 700 000	1971
1972	4 870 AT 08 00 MST ON JUN 13	3 680 ON JUN 13 *	8 728 ON JAN 15	4 320 000	1972
1973	---	459 A ON MAY 19	11 8 8 ON MAR 22	2 850 000	1973
1974	868 AT 15 00 MST ON APR 26	595 ON APR 30	8 078 ON MAR 31	3 510 000	1974
1975	834 AT 08 30 MST ON JUL 17	561 ON JUL 17	8 418 ON FEB 13	2 410 000	1975
1976	1 040 AT 20 00 MST ON AUG 7	926 ON AUG 8	10 0 8 ON DEC 6	4 580 000	1976
1977	1 030 AT 18 00 MST ON MAY 6	869 ON MAY 7	10 2 8 ON JAN 3	3 910 000	1977
1978	750 AT 02 30 MST ON JUL 12	846 ON JUL 12	8 858 ON FEB 8	2 450 000	1978
1979	805 AT 18 00 MST ON MAY 27	585 ON JUN 4	8 468 ON DEC 2	2 780 000	1979
1980	1 220 AT 08 30 MST ON JUN 5	1 100 ON JUN 5	5 928 ON JAN 26	3 380 300	1980
1981	812 AT 15 30 MST ON MAY 27	505 ON MAY 27	9 708 ON DEC 31	2 370 000	1981
1982	5 300 AT 23 00 MST ON JUL 15 *	3 630 A ON JUL 16	7 618 ON MAR 1	4 230 000	1982
1983	547 AT 17 00 MST ON JUL 16	502 ON JUN 21	9 328 ON FEB 27	2 750 000	1983
1984	442 AT 18 30 MST ON JUN 14	428 ON JUN 9	9 938 ON JAN 22	2 320 000	1984
1985	394 AT 10 30 MST ON MAY 25	383 ON MAY 25	9 908 ON FEB 21	2 500 000	1985
1986	857 AT 18 00 MST ON MAY 31	618 ON MAY 29	8 908 ON FEB 20	2 940 000	1986
				3 280 000	MEAN

A - MANUAL GAUGE
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
(SEE REFERENCE INDEX)

WARE COULEE ABOVE MATZHIWIN CREEK - STATION NO 05CJ008

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1954	---	---	---	---	0 589	1 98	3 09	2 85	0 787	1 34	---	---	1 77	1954
1955	---	---	---	---	1 12	1 69	1 92	2 13	1 10	0 888	---	---	1 48	1955
1956	---	---	---	---	0 882	2 33	2 13	1 81	1 04	1 24	---	---	1 50	1956
1957	---	---	---	---	0 912	2 16	1 93	2 12	1 08	0 903	---	---	1 52	1957
1958	---	---	---	---	0 850	2 89	1 81	1 92	0 702	0 722	---	---	1 48	1958
1959	---	---	---	---	0 249	1 60	1 63	1 98	1 13	0 531	---	---	1 18	1959
1960	---	---	---	---	0 299	0 674	1 54	1 70	0 381	0 273	---	---	0 815	1960
1961	---	---	---	---	0 414	0 626	0 805	0 764	0 743	0 652	---	---	0 667	1961
1962	---	---	---	---	0 511	1 31	1 56	0 441	0 388	0 231	---	---	0 738	1962
1963	---	---	---	---	0 481	1 87	0 779	0 785	0 219	0 325	---	---	0 738	1963
1964	---	---	---	---	0 425	0 841	0 556	0 940	0 474	0 447	---	---	0 581	1964
1965	---	---	---	---	0 281	1 02	0 449	1 25	0 340	0 783	---	---	0 885	1965
1966	---	---	---	---	0 589	1 19	2 02	1 30	0 389	0 316	---	---	0 868	1966
1967	---	---	---	---	0 877	0 389	0 730	1 42	0 581	0 729	---	---	0 787	1967
1968	---	---	---	---	0 588	0 731	1 10	0 545	0 527	0 867	---	---	0 725	1968
1969	---	---	---	---	0 817	1 19	0 883	1 31	0 950	0 826	---	---	0 926	1969
1970	---	---	---	---	---	---	1 24	0 445	0 438	0 880	---	---	---	1970
1971	---	---	---	---	0 489	0 811	0 920	0 885	0 991	0 544	---	---	0 732	1971
1972	---	---	---	---	0 618	1 13	1 46	1 57	1 10	0 529	---	---	1 07	1972
1973	---	---	---	---	0 450	0 784	0 403	0 888	---	---	---	---	---	1973
1974	---	---	---	---	0 485	0 774	0 953	1 21	1 57	0 817	---	---	0 853	1974
1975	---	---	---	---	---	0 370	0 749	1 87	---	---	---	---	---	1975
1976	---	---	---	---	---	1 18	---	---	0 598	---	---	---	---	1976
1977	---	---	---	---	0 414	0 363	0 227	0 117	0 074	0 145	---	---	0 223	1977
1978	---	---	0 138	0 220	0 317	0 409	0 827	0 825	0 795	0 381	---	---	0 606	1978
1979	---	---	0 278	0 080	0 128	1 02	0 775	1 16	1 13	0 459	---	---	0 775	1979
1980	---	---	---	---	0 587	1 24	0 894	0 744	0 618	0 267	---	---	0 722	1980
1981	---	---	---	0 075	0 304	0 911	1 32	1 07	0 910	0 694	---	---	0 869	1981
1982	---	---	---	---	0 378	0 842	1 26	1 16	0 882	1 11	---	---	0 935	1982
1983	---	---	---	---	0 398	0 938	1 36	1 24	0 576	0 404	0 087	---	0 820	1983
1984	---	---	---	---	0 383	1 12	0 823	1 01	1 34	0 581	---	---	0 841	1984
1985	---	---	---	---	0 530	1 50	0 912	1 02	0 971	0 325	---	---	0 872	1985
1986	---	---	---	---	0 282	0 858	1 47	1 37	1 42	0 857	0 054	---	1 04	1986
MEAN	---	---	0 208	0 125	0 512	1 14	1 19	1 23	0 780	0 618	0 071	---	0 932	MEAN

LOCATION - LAT 50 47 45 N DRAINAGE AREA, 93 0 km^2
LONG 111 46 55 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1877

WARE COULEE ABOVE MATZHIWIN CREEK · STATION NO 05CJ008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1954	8 10 AT 14 00 MST ON AUG 5	7 99 ON AUG 4	0 ON SEP 11 *	28 200	1954
1955	4 47 AT 08 00 MST ON JUL 8	3 88 ON JUL 2	0 028E ON MAY 1	23 500	1955
1956	17 0 E AT 08 00 MST ON AUG 3	10 6 E ON AUG 3 *	0 037 ON MAY 10	23 900	1956
1957	3 57 AT 19 00 MST ON JUL 13	3 51 A ON MAY 15	0 082A ON MAY 10	24 100	1957
1958	4 79 AT 10 00 MST ON JUN 29	4 82 ON JUN 29	0 040A ON MAY 10	23 500	1958
1959	6 31 AT 20 00 MST ON JUN 27	4 70 ON JUN 27	0 028 ON MAY 1	18 800	1959
1960	3 43 AT 01 00 MST ON JUL 5	3 20 ON JUL 5	0 057E ON MAY 1	13 000	1960
1961	3 37 AT 18 00 MST ON AUG 27	2 49 ON SEP 27	0 048 ON MAY 1	10 800	1961
1962	---	3 60 ON JUL 14	0 006 ON MAY 2	11 700	1962
1963	25 5 E AT 04 00 MST ON JUN 22 *	3 95 E ON JUN 22	0 031 ON MAY 3	11 700	1963
1964	---	2 85 ON JUN 17	0 085 ON JUL 3	9 240	1964
1965	---	---	---	---	
1966	3 62 AT 09 00 MST ON JUL 28	4 19 ON JUN 26	0 028E ON MAY 1	10 900	1965
1967	---	3 45 ON JUN 25	0 122 ON SEP 12	15 400	1966
1968	3 28 AT 17 39 MST ON JUN 30	2 27 E ON MAY 1	0 057 ON JUN 24	12 500	1967
1969	---	2 71 ON JUN 30	0 119 ON SEP 4	11 500	1968
1970	---	3 40 ON JUN 29	0 159 ON OCT 25	14 700	1969
1971	2 04 AT 20 00 MST ON JUL 14	---	---	---	1970
1972	---	2 01 ON JUL 14	0 133E ON OCT 31	11 600	1971
1973	---	3 00 ON JUL 10	0 184E ON OCT 31	17 000	1972
1974	---	2 94 ON JUN 15	---	---	1973
1975	---	2 14 ON SEP 22	0 204 ON OCT 28	15 300	1974
1976	---	---	---	---	1975
1977	---	---	---	---	1976
1978	2 94 AT 11 40 MST ON JUL 22	0 857 ON MAY 8	0 017E ON AUG 27	3 550	1977
1979	---	2 26 R ON JUL 24	0 013R ON JUN 21	9 630	1978
1980	4 88 AT 13 30 MST ON JUN 27	5 81 R ON JUN 20	0 037 ON MAY 25	12 300	1979
1981	3 85 AT 04 00 MST ON JUL 5	3 27 R ON JUN 27	0 023R ON JUN 18	11 500	1980
1982	---	2 10 R ON JUL 5	0 056 ON MAY 4	13 800	1981
1983	---	3 93 ON JUL 2	0 029 ON MAY 3	14 900	1982
1984	---	2 93 ON JUL 3	0 009E ON MAY 8	13 000	1983
1985	---	4 27 ON JUL 31	0 E ON JUL 19	13 400	1984
1986	---	2 98 ON JUN 24	0 ON MAY 1	13 900	1985
		4 18 ON SEP 26	0 ON MAY 9	16 600	1986
				14 800	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1 1986

WASKAHIGAN RIVER NEAR THE MOUTH · STATION NO 07GG001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	0 346	2 53	8 76	9 85	3 20	5 95	2 34	1 33	---	---	---	1968
1969	---	---	0 200	18 1	7 79	1 93	1 77	0 886	2 53	1 80	---	---	---	1969
1970	---	---	0 442	6 80	12 4	2 28	1 33	0 809	0 422	0 507	0 381	0 328	---	1970
1971	0 280	0 207	0 150	11 6	7 05	23 8	35 9	5 00	3 48	6 65	4 09	2 15	8 41	1971
1972	0 584	0 188	0 237	10 9	21 8	14 9	5 19	2 56	1 05	2 26	1 57	0 836	5 18	1972
1973	0 806	0 511	0 555	14 1	20 0	8 86	2 05	2 87	1 49	3 45	1 87	0 828	4 76	1973
1974	0 645	0 495	0 496	28 0	28 7	2 23	1 07	0 486	0 589	0 523	0 330	0 318	5 35	1974
1975	0 367	0 354	0 409	3 43	7 86	3 27	3 89	0 985	0 575	0 579	0 730	0 432	1 92	1975
1976	0 411	0 439	0 305	15 0	6 89	9 80	5 34	21 0	11 1	2 04	1 33	0 840	6 18	1976
1977	0 688	0 747	0 603	13 2	29 1	13 1	16 9	6 34	4 99	4 64	1 05	0 688	7 72	1977
1978	0 520	0 589	0 631	7 17	13 2	26 4	4 81	2 39	11 5	4 10	1 85	0 902	6 16	1978
1979	0 430	0 397	0 549	4 75	25 8	28 9	22 2	3 32	0 878	0 914	0 768	0 605	7 49	1979
1980	0 544	0 398	0 344	8 38	8 21	23 1	10 2	2 93	5 84	2 41	0 698	0 335	5 26	1980
1981	0 594	0 575	1 06	9 60	10 5	9 86	2 77	2 06	0 396	0 485	0 636	0 226	3 23	1981
1982	0 089	0 245	0 637	1 64	27 1	3 80	18 8	15 5	3 38	2 00	1 15	0 475	6 33	1982
1983	0 306	0 313	0 384	2 50	5 00	14 8	21 8	4 08	3 01	1 82	1 77	0 839	4 73	1983
1984	0 550	0 519	0 891	7 54	23 7	9 28	1 60	1 12	15 4	4 66	1 90	1 04	5 68	1984
1985	0 753	0 554	0 848	14 0	9 63	4 02	1 49	0 726	3 20	5 54	1 49	0 740	3 59	1985
1986	0 546	0 389	1 02	13 5	20 2	6 10	9 09	1 52	1 62	5 14	1 15	0 799	5 12	1986
MEAN	0 500	0 438	0 531	10 0	15 4	11 4	8 92	4 24	3 88	2 88	1 33	0 715	5 45	MEAN

LOCATION - LAT 54 45 03 N DRAINAGE AREA 1 040 km^2
LONG 117 12 20 W NATURAL FLOW

WASKAHIGAN RIVER NEAR THE MOUTH - STATION NO. 07GG001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1988	45.0 AT 01:30 MST ON JUN 14	39.9 ON JUN 14	---	---	1988
1989	---	36.5B ON APR 16	---	---	1989
1970	32.6 AT 10:00 MST ON MAY 11	31.7 ON MAY 11	---	---	1970
1971	161 AT 15:00 MST ON JUL 12	151 ON JUL 12 *	0.085B ON MAR 23	265 000	1971
1972	100 AT 13:30 MST ON JUN 26	90.6 ON JUN 26	0.085B ON FEB 27	164 000	1972
1973	51.3 AT 10:00 MST ON APR 28	49.3 ON APR 29	0.396B ON FEB 13	150 000	1973
1974	92.6 AT 12:30 MST ON APR 26	92.3 ON APR 26	0.212B ON DEC 6	169 000	1974
1975	26.5 AT 20:00 MST ON JUN 29	22.5 ON JUN 30	0.317B ON FEB 9	60 500	1975
1976	68.0 AT 06:00 MST ON AUG 17	64.8 ON AUG 17	0.215B ON MAR 8	196 000	1976
1977	104 AT 19:30 MST ON MAY 6	87.8 ON MAY 7	0.442B ON MAR 29	243 000	1977
1978	171 AT 14:00 MST ON JUN 15	149 ON JUN 15	0.425B ON MAR 5	194 000	1978
1979	174 AT 19:30 MST ON JUN 14 *	129 ON JUN 14	0.390B ON FEB 11	236 000	1979
1980	108 AT 04:00 MST ON JUN 6	104 ON JUN 6	0.150B ON MAR 20	186 000	1980
1981	35.6 AT 01:30 MST ON JUN 2	33.5 ON JUN 2	0.120B ON DEC 31	102 000	1981
1982	142 AT 10:30 MST ON JUL 16	121 ON JUL 16	0.050B ON JAN 23 *	200 000	1982
1983	107 AT 12:00 MST ON JUL 27	101 ON JUL 27	0.225B ON JAN 24	149 000	1983
1984	92.4 AT 22:00 MST ON MAY 17	82.5 ON MAY 18	0.429 ON AUG 2	180 000	1984
1985	36.9B AT 19:30 MST ON APR 14	33.3B ON APR 14	0.374B ON MAR 14	113 000	1985
1986	48.1 AT 16:30 MST ON APR 20	36.2 ON JUL 19	0.359B ON FEB 17	181 000	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		172 000	MEAN

WASKASOO CREEK AT RED DEER - STATION NO. 05CC011

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1985	---	---	1.01	2.32	0.143	0.021	0.025	0.167	0.136	0.025	---	---	0.477	1985
1986	---	---	0.821	0.083	0.827	0.185	1.72	0.433	0.511	0.638	---	---	0.655	1986
MEAN	---	---	0.916	1.19	0.485	0.103	0.873	0.300	0.324	0.332	---	---	0.566	MEAN

LOCATION - LAT 52 16 07 N LONG 113 47 52 W DRAINAGE AREA, 494 km^2 NATURAL FLOW

WASKASOO CREEK AT RED DEER - STATION NO. 05CC011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1985	---	9.55 ON APR 3 *	0.002 ON JUN 28 *	10 100	1985
1986	---	6.50 ON JUL 19	0.015 ON JUN 23	13 800	1986
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		12 000	MEAN

WASKATENAU CREEK NEAR WASKATENAU - STATION NO. 05EC002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	---	---	0.002	0	---	---	---	1966
1967	---	---	0	0.239	1.45	0.028	0	0	0	0	---	---	0.216	1967
1968	---	---	0.776	0.130	0.011	0	0.002	0	0	0	---	---	0.118	1968
1969	---	---	0	2.10	0.145	0.006	0	0.015	0	0	---	---	0.278	1969
1970	---	---	0	1.84	0.080	0.001	0.017	0.337	0.107	0.060	---	---	0.301	1970
1971	---	---	0.012	7.80	0.615	0.205	4.07	0.637	0.130	0.033	---	---	1.65	1971
1972	---	---	0	6.37	1.96	0.130	0.012	0.007	0	0.004	---	---	1.05	1972
1973	---	---	0.012	0.108	0.038	0.213	0.076	0.071	0.043	0.036	---	---	0.074	1973
1974	---	---	0	8.38	2.10	0.160	0.172	0.017	0.021	0.018	---	---	1.34	1974
1975	---	---	0	0.636	0.271	0.036	0.208	0.126	0.839	0.126	---	---	0.278	1975
1976	---	---	0.002	1.53	0.047	0.010	0.048	0.080	0.006	0	---	---	0.211	1976
1977	---	---	0	1.67	0.217	0.314	0.034	0.171	0.177	0.372	---	---	0.365	1977
1978	---	---	0.045	3.71	0.282	1.42	0.232	0.068	0.909	0.715	---	---	0.910	1978
1979	---	---	0.001	5.82	2.48	0.196	0.522	0.318	0.119	0.020	---	---	1.17	1979
1980	---	---	0	1.08	0.073	0.125	0.056	0.179	0.386	0.560	---	---	0.305	1980
1981	---	---	0.627	4.43	0.245	0.009	0	0	0	0	---	---	0.653	1981
1982	---	---	0	0.689	0.232	0.037	0.023	0.006	0	0	---	---	0.122	1982
1983	---	---	0	0.140	0.006	0.006	0.017	0.016	0.013	0.017	---	---	0.027	1983
1984	---	---	0.160	0.592	0.093	0.189	0.073	0.002	0.005	0.008	---	---	0.139	1984
1985	---	---	0.016	1.18	0.272	0.091	0.008	0	0	0.001	---	---	0.193	1985
1986	---	---	0.172	0.775	0.065	0.003	0.189	0.247	0.014	0.004	---	---	0.183	1986
MEAN	---	---	0.091	2.45	0.534	0.159	0.288	0.115	0.132	0.094	---	---	0.479	MEAN

LOCATION - LAT 54 07 23 N LONG 112 46 58 W DRAINAGE AREA, 312 km^2 NATURAL FLOW

WASKATENAU CREEK NEAR WASKATENAU - STATION NO 05EC002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	---		---	1966
1967	---	5.44 ON MAY 4	0 ON AUG 2 *	---	1967
1968	---	1.76 B ON MAR 6	0 B ON MAR 1	4 570	1968
1969	6.74 AT 05 00 MST ON APR 15	6.65 ON APR 15	0 ON MAY 3	2 450	1969
			0 B ON MAR 1	5 880	1969
1970	4.76 AT 00 09 MST ON APR 15	4.59 ON APR 18	0 B ON MAR 1	6 380	1970
1971	45.3 AT 14 30 MST ON APR 22 *	44.2 ON APR 22 *	0.005 ON OCT 14	35 000	1971
1972	25.8 AT 16 30 MST ON APR 17	17.4 ON APR 18	0 B ON MAR 1	22 200	1972
1973	3.14 AT 14 00 MST ON JUN 26	0.937 ON JUN 26	0 B ON MAR 1	1 570	1973
1974	34.0 AT 05 00 MST ON APR 21	32.8 ON APR 20	0 B ON MAR 1	28 300	1974
1975	3.068 AT 19 30 MST ON APR 22	2.67 B ON APR 23	0 B ON MAR 1	5 870	1975
1976	3.54 AT 16 30 MST ON APR 10	3.51 ON APR 10	0 B ON MAR 1	4 480	1976
1977	5.838 AT 13 30 MST ON APR 10	5.75 B ON APR 10	0 B ON MAR 1	7 730	1977
1978	8.018 AT 13 50 MST ON APR 8	7.53 B ON APR 8	0 B ON MAR 1	19 300	1978
1979	24.8 AT 01 10 MST ON APR 26	24.2 ON APR 26	0 B ON MAR 1	24 900	1979
1980	---	3.72 B ON APR 14	0 B ON MAR 1	6 450	1980
1981	15.0 AT 02 50 MST ON APR 2	15.2 B ON APR 2	0 B ON MAR 1	13 900	1981
1982	2.58 AT 02 00 MST ON APR 22	2.28 ON APR 22	0 B ON MAR 1	2 590	1982
1983	1.89 AT 11 05 MST ON JUL 16	0.3678 ON APR 14	0 B ON MAR 1	581	1983
1984	1.70 AT 13 20 MST ON APR 2	1.33 ON APR 4	0 B ON MAR 1	2 940	1984
1985	2.748 AT 17 38 MST ON APR 8	2.58 B ON APR 8	0 ON JUL 10	4 080	1985
1986	---	2.27 B ON APR 3	0 B ON MAR 1	3 870	1986
				10 200	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

WATERTON - BELLY DIVERSION CANAL - STATION NO 05AD027

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	0	0	0	0	2.22	8.22	4.71	1.47	0.348	0.333	0.340	0.026	1.31	1968
1969	0	0	0	0	0	0	0	3.93	17.2	0.355	0	0	1.78	1969
1970	0	0	0	0	0	10.9	14.2	13.8	0	0	0	0	3.27	1970
1971	0	0	0	0.002	0	0.989	12.5	19.5	6.88	0	0	0	3.35	1971
1972	0	0	0	0	0	0	12.8	0.510	9.21	9.67	4.13	0	3.04	1972
1973	0	0	0	0	19.3	22.5	18.9	14.3	2.95	0.357	0	0	6.55	1973
1974	0	0	0	0	0	0	0.412	3.95	3.83	13.9	0	0	1.87	1974
1975	0	0	0	0	0	0	1.53	14.4	13.0	9.37	6.20	0	3.72	1975
1976	0R	0R	0 R	0	0	9.38	12.9	1.15	1.98	4.70	0 R	0 R	2.52 R	1976
1977	0	0	0	5.12	40.6	36.4	10.9	14.0	17.1	7.83	0	0	11.0	1977
1978	0	0	0	0	7.26	0	0	1.10	0	0	0	0	0.710	1978
1979	0	0	0	0	0	10.4	29.7	10.0	7.28	4.25	0	0	5.19	1979
1980	0	0	0	9.97	33.0	8.46	11.7	11.2	12.3	10.6	0	0	8.14	1980
1981	0	0	5.58	8.84	13.0	13.6	28.7	17.0	12.4	23.1	0.411	0	10.3	1981
1982	0	0	0	0	20.9	9.08	14.7	22.5	9.08	3.86	0	0	8.75	1982
1983	0	0	0	11.9	14.8	44.3	31.0	20.7	7.18	4.35	0	0	11.2	1983
1984	0	0	0.705	12.3	35.2	40.4	43.3	20.3	7.43	12.0	0	0	14.4	1984
1985	0	0	0	11.1	17.5	35.9	37.4	14.8	11.8	18.7	0	0	12.3	1985
1986	0	0	0	0.848	10.8	30.7	27.7	10.5	17.1	12.2	0	0	9.20	1986
MEAN	0R	0R	0.331R	3.16	11.3	14.7	16.5	11.3	8.26	7.14	0.583R	0.001R	8.14	MEAN

LOCATION - LAT 49 19 20 N
LONG 113 38 10 W REGULATED SINCE 1968

R - REVISED SINCE JAN 1980

WATERTON - BELLY DIVERSION CANAL - STATION NO 05AD027

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	16.2 ON AUG 13	0 ON JAN 1 *	41 300	1968
1969	---	29.2 ON AUG 29	0 ON JAN 1	56 200	1969
1970	---	29.2 ON JUN 10	0 ON JAN 1	103 000	1970
1971	---	29.4 ON AUG 19	0 ON JAN 1	105 000	1971
1972	---	26.0 ON OCT 21	0 ON JAN 1	96 100	1972
1973	---	35.7 ON JUN 11	0E ON JAN 1	206 000	1973
1974	---	31.1 ON OCT 17	0E ON JAN 1	59 000	1974
1975	---	25.2 ON NOV 1	0 ON JAN 1	117 000	1975
1976	---	27.3 ON JUN 22	0RE ON JAN 1	79 600R	1976
1977	---	43.3 ON MAY 3	0 ON JAN 1	349 000	1977
1978	---	15.9 ON MAY 8	0 ON JAN 1	22 400	1978
1979	---	31.1 ON JUL 4	0E ON JAN 1	184 000	1979
1980	---	46.3 ON MAY 22	0E ON JAN 1	258 000	1980
1981	---	42.0 ON JUL 17	0E ON JAN 1	325 000	1981
1982	---	32.2 ON MAY 14	0E ON JAN 1	213 000	1982
1983	---	49.3 ON JUN 22 *	0E ON JAN 1	354 000	1983
1984	---	48.6 ON JUN 14	0E ON JAN 1	455 000	1984
1985	---	46.3 ON JUN 23	0E ON JAN 1	389 000	1985
1986	---	47.7 ON JUN 21	0E ON JAN 1	290 000	1986
				194 000R	MEAN

E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1 1986

WATERTON RIVER NEAR GLENWOOD - STATION NO. 05AD026

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	---	---	9.35	7.32	8.74	7.71	---	1966
1967	6.65	5.78	6.48	10.2	86.8	151	61.5	10.0	4.61	4.46	10.3	5.02	30.3	1967
1968	5.08	6.04	8.76	9.16	46.7	88.4	29.5	18.9	24.9	27.5	23.3	20.1	35.5	1968
1969	14.5	7.16	5.28	11.8	82.7	108	34.1	6.14	3.26	2.40	5.86	2.13	23.7	1969
1970	3.27	2.55	3.48	7.87	70.7	109	17.1	5.56	5.93	5.32	5.45	4.89	20.1	1970
1971	2.63	6.86	4.76	13.6	85.3	87.5	31.6	9.69	4.46	11.6	6.59	4.44	22.7	1971
1972	4.11	3.50	20.7	22.4	78.1	124	40.8	25.3	12.4	10.9	7.92	5.22	39.6	1972
1973	4.71	4.51	4.86	7.85	23.9	32.5	10.4	2.37	3.33	2.38	10.7	7.47	9.63	1973
1974	9.72	8.90	8.36	17.1	58.4	134	47.4	18.2	7.46	3.63	1.16	3.41	35.5	1974
1975	4.00	3.00	2.55	12.2	74.4	190	85.7	6.81	2.21	6.00	14.1	13.3	32.8	1975
1976	7.28	5.13	7.89	20.2	73.3	44.8	35.2	26.0	13.5	7.50	4.66	3.01	20.8	1976
1977	2.05	3.33	1.84	1.89	4.28	2.65	1.98	1.79	1.03	1.70	1.53	1.45	2.19	1977
1978	1.55	1.93	3.17	2.25	54.0	76.5	44.5	14.0	25.4	15.4	8.10	4.40	21.0	1978
1979	2.61	2.78	10.9	13.5	83.6	50.2	1.78	1.99	1.76	5.40	1.94	1.65	13.2	1979
1980	1.57	2.06	2.25	1.63	48.7	87.2	3.83	2.14	2.37	8.34	19.1	12.5	14.3	1980
1981	15.1	10.3	5.12	2.41	87.9	51.2	18.7	2.24	2.31	2.25	4.08	2.21	17.7	1981
1982	2.18	2.09	2.22	2.83	11.7	79.5	23.5	2.86	1.86	2.24	5.48	3.89	11.7	1982
1983	3.50	4.50	4.72	2.28	18.2	19.1	2.62	2.36	2.05	1.87	6.33	2.82	5.51	1983
1984	7.09	5.23	2.27	1.89	1.68	8.40	4.03	2.32	1.86	1.86	2.25	2.07	3.37	1984
1985	1.61	1.57	1.81	1.99	29.3	22.4	2.29	2.05	1.68	8.13	21.5	8.81	8.62	1985
1986	5.25	14.1	19.9	16.9	38.3	42.7	1.95	1.83	1.88	3.24	2.00	5.80	13.0	1986
MEAN	5.22	4.96	5.36	9.08	51.9	74.3	23.8	8.02	5.40	5.68	6.24	5.85	17.6	MEAN

LOCATION - LAT 49 26 35 N
LONG 113 28 10 W
DRAINAGE AREA 1 630 km²
REGULATED SINCE 1966

WATERTON RIVER NEAR GLENWOOD - STATION NO. 05AD026

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1966	---	---	---	---	1966
1967	248 AT 01:00 MST ON JUN 5	205 ON JUN 5	3.81 B ON DEC 8	855 000	1967
1968	144 AT 14:51 MST ON JUN 8	132 ON JUN 8	3.09 ON APR 11	807 000	1968
1969	254 AT 20:30 MST ON JUN 28	232 ON JUN 29	1.98 B ON DEC 7	747 000	1969
1970	283 AT 15:10 MST ON JUN 15	270 ON JUN 15	1.45 ON OCT 25	633 000	1970
1971	150 AT 05:30 MST ON MAY 30	148 ON MAY 31	1.83 B ON JAN 15	715 000	1971
1972	221 AT 05:50 MST ON JUN 3	209 ON JUN 3	3.17 B ON JAN 1	937 000	1972
1973	58.3 AT 20:30 MST ON MAY 22	58.3 ON MAY 22	1.42 ON AUG 26	353 000	1973
1974	218 AT 00:40 MST ON JUN 19	212 ON JUN 19	0.8508 ON NOV 19 *	895 000	1974
1975	762 AT 21:30 MST ON JUN 20 *	650 ON JUN 20 *	1.27 ON SEP 16	1 060 000	1975
1976	111 AT 13:20 MST ON MAY 15	111 ON MAY 15	1.61 B ON MAR 24	657 000	1976
1977	---	7.80 ON MAY 2	1.28 B ON JAN 1	69 200	1977
1978	132 AT 17:05 MST ON JUN 10	131 ON JUN 10	1.50 B ON JAN 1	583 000	1978
1979	168 AT 18:25 MST ON MAY 28	143 ON MAY 29	1.54 B ON DEC 13	418 000	1979
1980	253 AT 04:20 MST ON MAY 28	243 ON MAY 28	1.13 ON MAY 19	631 000	1980
1981	278 AT 17:50 MST ON MAY 22	261 ON MAY 23	1.48 ON OCT 25	553 000	1981
1982	169 AT 23:00 MST ON JUN 17	137 ON JUN 18	1.80 B ON APR 7	367 000	1982
1983	91.2 AT 10:55 MST ON MAY 30	86.1 ON MAY 29	0.8508 ON JAN 24	174 000	1983
1984	38.6 AT 11:05 MST ON JUN 26	32.8 ON JUN 25	1.40 B ON DEC 30	107 000	1984
1985	76.2 AT 14:52 MST ON MAY 28	75.9 ON MAY 28	1.13 ON SEP 2	272 000	1985
1986	145 AT 03:25 MST ON JUN 5	142 ON JUN 4	1.10 B ON NOV 10	405 000	1986
				554 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

WATERTON RIVER NEAR INTERNATIONAL BOUNDARY - STATION NO. 05AD028

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1947	---	---	---	---	26.4	28.5	11.6	3.28	3.25	10.4	3.55	1.33	---	1947
1948	0.904	0.544	0.441	3.17	25.5	35.5	8.39	4.01	1.73	1.09	0.774	0.592	5.90	1948
1949	0.804	0.600	0.859	5.34	25.1	21.7	7.78	2.98	2.51	2.28	4.48	2.82	5.45	1949
1950	1.19	1.09	1.25	2.14	15.1	62.0	25.9	5.07	2.03	7.86	5.33	4.05	8.28	1950
1951	2.04	2.23	1.05	4.41	25.4	25.4	24.0	4.98	6.51	8.49	1.91	1.56	8.13	1951
1952	0.805	0.609	0.445	8.92	24.0	21.4	8.57	3.35	1.47	0.830	0.468	0.400	5.94	1952
1953	1.47	1.32	0.733	3.23	17.6	36.5	21.8	4.54	1.88	0.833	1.75	1.14	7.78	1953
1954	0.706	0.695	0.770	1.88	25.2	32.0	30.5	6.91	4.50	5.84	3.86	1.97	9.82	1954
1955	0.905	0.595	0.455	1.11	9.35	35.9	18.1	3.73	1.88	7.77	4.10	1.74	7.14	1955
1956	1.10	0.672	0.830	4.09	25.4	34.0	15.1	3.58	1.96	3.41	1.93	1.16	7.73	1956
1957	0.724	0.670	0.892	2.13	33.0	27.3	8.82	2.19	1.32	---	---	---	---	1957
1958	---	---	---	---	---	21.8	8.30	2.36	2.89	4.28	2.54	---	---	1958
1959	---	---	---	---	---	41.1	16.2	4.29	8.34	8.97	3.03	1.91	---	1959
1960	---	---	---	---	---	30.6	14.1	3.39	2.11	1.74	1.77	1.17	---	1960
1961	0.878	---	---	---	---	40.0	8.84	2.73	1.89	4.20	1.84	0.945	---	1961
1962	0.740	---	---	---	---	26.3	8.98	3.20	1.95	3.64	3.96	2.80	---	1962
1963	---	---	---	---	---	31.5	13.1	2.91	1.85	1.28	1.40	1.07	---	1963
1964	---	---	---	---	---	49.1	17.5	2.88	2.95	---	---	---	---	1964
MEAN	1.01	0.803	0.754	3.84	23.2	32.2	14.7	3.89	2.81	4.55	2.66	1.86	7.78	MEAN

LOCATION - LAT 48 57 20 N
LONG 113 54 00 W
DRAINAGE AREA 180 km²
NATURAL FLOW
INTERNATIONAL GAUGING STATION

WATERTON RIVER NEAR INTERNATIONAL BOUNDARY - STATION NO 05AD029

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1947	---	37.7 ON JUN 26	---	---	1947
1948	71.1 AT 01:00 MST ON MAY 23	62.9 ON MAY 23	0.3118 ON APR 4	216 000	1948
1949	53.5 AT 05:00 MST ON MAY 26	43.3 ON MAY 26	0.4814 ON FEB 19	203 000	1949
1950	72.5 AT 13:30 MST ON JUN 22	69.7 ON JUN 22	0.787 ON MAR 29	293 000	1950
1951	62.0 AT 03:00 MST ON JUN 16	58.0 ON JUN 15	0.8508 ON DEC 31	288 000	1951
1952	43.0 AT 02:00 MST ON JUN 5	38.2 ON MAY 20	0.326 ON DEC 10	166 000	1952
1953	71.4 AT 12:00 MST ON JUN 13	66.2 ON JUN 13	0.2558 ON JAN 7 *	245 000	1953
1954	76.7 AT 03:00 MST ON MAY 20	66.2 ON MAY 20	0.4258 ON JAN 22	303 000	1954
1955	64.0 AT 00:00 MST ON JUN 24	61.2 ON JUN 23	0.3408 ON MAR 21	225 000	1955
1956	66.8 AT 03:00 MST ON JUN 2	61.7 ON MAY 21	0.4538 ON FEB 17	246 000	1956
1957	53.0 AT 03:00 MST ON JUN 4	49.8 ON JUN 5	---	---	1957
1958	52.4 AT 05:00 MST ON MAY 24	49.3 ON MAY 24	---	---	1958
1959	67.7 AT 01:00 MST ON JUN 5	61.4 ON JUN 5	---	---	1959
1960	57.2 AT 01:00 MST ON JUN 17	50.1 ON JUN 3	---	---	1960
1961	71.4 AT 09:00 MST ON MAY 27	67.1 ON MAY 27	---	---	1961
1962	40.8 AT 04:15 MST ON JUN 18	36.8 ON JUN 18	---	---	1962
1963	53.1 AT 12:00 MST ON JUN 10	47.0 ON JUN 10	---	---	1963
1964	35.1 AT 05:00 MST ON JUN 8 *	206 ON JUN 8 *	---	---	1964
				245 000	MEAN

A - MANUAL GAUGE
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
(SEE REFERENCE INDEX)

WATERTON RIVER NEAR STAND OFF - STATION NO 05AD008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	---	---	---	---	---	14.7	8.57	---	1915
1916	5.83	10.1	16.8	22.2	48.6	137	83.2	22.1	18.3	8.76	9.84	6.23	33.2	1916
1917	4.52	3.42	3.37	11.4	66.8	110	55.2	12.7	6.46	4.91	---	---	---	1917
1918	---	---	---	---	---	72.4	20.7	11.7	11.9	8.89	5.84	3.34	---	1918
1919	2.83	4.29	3.17	11.4	55.0	90.8	21.3	8.88	4.63	3.52	4.33	4.77	14.7	1919
1920	5.29	5.81	6.19	13.4	54.1	87.1	54.0	13.2	8.19	10.7	6.13	5.17	22.5	1920
1921	3.77	5.80	6.75	32.0	72.1	102	41.2	12.5	7.78	9.62	7.58	5.30	24.9	1921
1922	4.50	3.10	3.40	12.6	71.5	103	32.3	10.5	8.22	5.40	7.30	3.34	22.0	1922
1923	4.26	3.02	4.09	13.7	68.9	151	36.2	18.2	10.6	9.76	7.28	5.07	27.7	1923
1924	4.18	5.67	6.71	11.5	62.2	102	34.4	20.4	7.81	5.56	---	---	---	1924
1925	---	---	11.0	38.2	89.5	88.2	34.6	13.0	15.5	21.8	---	---	---	1925
1926	---	---	5.31	24.9	36.6	29.2	16.4	6.70	26.7	34.5	---	---	---	1926
1927	---	---	7.13	23.5	97.6	170	62.7	27.6	50.1	34.5	---	---	---	1927
1928	---	---	---	16.6	89.6	105	77.1	19.6	13.2	22.3	---	---	---	1928
1929	---	---	4.28	13.6	66.6	86.6	29.8	8.95	5.94	7.70	---	---	---	1929
1930	---	---	6.28	36.4	86.8	69.1	26.8	10.1	7.77	7.95	---	---	---	1930
1931	---	---	3.29	8.32	---	---	---	---	---	---	---	---	---	1931
1935	---	---	---	11.2	46.7	86.9	32.2	10.8	5.40	5.11	---	---	---	1935
1936	---	---	6.88	17.5	70.6	96.1	---	5.08	5.36	5.11	---	---	---	1936
1937	---	---	4.58	7.52	52.2	126	25.2	9.61	5.41	6.47	---	---	---	1937
1938	---	---	4.08	19.4	80.7	101	36.4	10.6	5.50	5.46	---	---	---	1938
1939	---	---	8.41	14.8	55.8	46.6	18.7	8.26	4.36	7.29	---	---	---	1939
1940	---	---	8.31	12.4	50.7	44.7	17.2	8.36	7.72	10.7	---	---	---	1940
1941	---	---	3.92	11.1	42.7	38.8	22.9	7.82	12.5	18.0	---	---	---	1941
1942	---	---	4.15	21.6	71.7	114	54.8	22.7	19.1	14.6	---	---	---	1942
1943	---	---	10.5	47.0	84.6	99.5	64.4	16.3	7.63	4.73	---	---	---	1943
1944	---	---	2.95	5.84	35.5	50.7	19.5	8.78	8.12	9.97	---	---	---	1944
1945	---	---	5.46	5.80	82.3	120	32.2	8.41	6.05	9.96	---	---	---	1945
1946	---	---	5.01	17.2	72.4	83.8	30.7	9.12	10.7	13.0	---	---	---	1946
1947	---	---	11.0	24.3	81.7	78.7	35.8	12.0	16.8	30.9	---	---	---	1947
1948	---	---	---	24.2	109	192	60.4	22.5	7.59	5.53	4.23	3.59	---	1948
1949	2.77	2.44	4.37	12.5	72.1	86.5	28.6	16.1	10.8	6.95	9.16	11.9	20.7	1949
1950	5.14	6.28	7.52	21.9	96.2	123	70.7	20.4	8.33	16.2	26.5	13.2	31.5	1950
1951	8.36	6.61	8.44	37.0	117	128	114	51.9	71.5	57.2	17.5	9.67	52.7	1951
1952	5.85	7.49	10.9	42.9	73.2	80.1	36.7	23.0	9.23	5.27	2.76	2.68	23.4	1952
1953	3.79	4.85	7.56	21.0	79.6	158	61.5	18.7	8.24	6.64	5.23	4.09	31.5	1953
1954	3.80	6.16	5.86	15.2	90.3	101	88.6	21.5	19.6	20.6	13.3	10.3	33.1	1954
1955	7.14	4.24	4.46	19.3	56.8	115	59.5	14.6	5.87	15.2	15.0	5.43	27.0	1955
1956	4.77	3.09	10.2	22.4	87.7	99.8	53.6	14.8	7.08	7.35	5.80	5.74	26.9	1956
1957	3.94	3.94	8.29	8.46	106	80.7	20.2	8.42	8.78	11.0	15.5	7.06	23.6	1957
1958	5.56	2.57	8.10	24.6	98.1	89.1	29.2	10.5	7.17	8.54	7.64	7.72	25.0	1958
1959	6.13	6.08	9.89	23.5	69.0	118	52.5	13.6	16.3	24.9	14.8	7.26	30.5	1959
1960	4.75	4.99	13.3	21.8	51.7	76.3	36.4	13.7	5.81	3.62	3.86	3.14	20.1	1960
1961	3.84	4.11	9.36	9.27	81.3	122	26.2	8.55	7.90	17.1	12.9	5.67	25.4	1961
1962	3.79	5.01	7.12	28.6	49.0	73.5	26.7	10.8	7.56	8.41	9.08	8.87	18.8	1962
1963	5.14	6.86	5.82	8.39	47.7	86.5	46.0	8.91	5.76	4.91	4.74	4.34	20.8	1963
1964	3.09	2.57	3.26	6.69	74.3	184	55.4	10.1	8.83	13.8	7.21	4.36	21.1	1964
1965	6.15	3.36	1.39	12.7	17.5	133	62.3	16.1	13.2	17.7	19.0	8.54	26.1	1965
1966	6.93	6.91	7.65	11.4	60.5	110	47.2	19.5	10.0	---	---	---	---	1966
MEAN	4.82	5.42	6.75	18.4	68.5	98.5	43.3	14.4	11.8	12.8	9.91	6.32	26.7	MEAN

LOCATION - LAT 49 30 07 N
LONG 113 18 24 W
DRAINAGE AREA 1 730 km^2
REGULATED

WATERTON RIVER NEAR STAND OFF - STATION NO 05AD006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	---	---	---	1915
1916	---	287 ON JUN 22	4.25 B ON JAN 25	1 050 000	1916
1917	---	146 ON JUN 11	---	---	1917
1918	---	122 ON JUN 13	---	---	1918
1919	---	116 ON MAY 26	1.76 B ON JAN 24	463 000	1919
1920	---	133 ON JUN 17	1.78 B ON DEC 6	711 000	1920
1921	---	136 ON JUN 9	2.76 B ON JAN 14	785 000	1921
1922	---	175 ON JUN 5	1.76 B ON DEC 6	885 000	1922
1923	---	309 ON JUN 2	2.66 B ON FEB 15	876 000	1923
1924	---	164 ON JUN 16	---	---	1924
1925	---	163 ON MAY 22	---	---	1925
1926	---	64.6 ON OCT 19	---	---	1926
1927	---	283 ON JUN 10	---	---	1927
1928	---	283 ON JUL 2	---	---	1928
1929	---	161 ON MAY 25	---	---	1929
1930	---	95.1 ON MAY 22	---	---	1930
1931	---	---	---	---	1931
1935	---	102 ON MAY 25	---	---	1935
1936	---	122 ON MAY 16	---	---	1936
1937	---	350 ON JUN 13	---	---	1937
1938	---	145 ON MAY 26	---	---	1938
1939	---	67.4 ON MAY 20	---	---	1939
1940	---	97.4 ON MAY 27	---	---	1940
1941	---	55.8 ON JUN 2	---	---	1941
1942	---	447 ON JUN 6	---	---	1942
1943	---	139 ON MAY 31	---	---	1943
1944	---	73.8 ON JUN 17	---	---	1944
1945	---	190 ON JUN 7	---	---	1945
1946	---	120 ON MAY 28	---	---	1946
1947	---	117 ON MAY 10	---	---	1947
1948	---	317 ON JUN 17	---	---	1948
1949	---	117 ON MAY 31	2.01 B ON FEB 16	852 000	1949
1950	---	189 ON JUN 21	4.13 B ON JAN 30	994 000	1950
1951	---	294 ON JUN 25	3.60 B ON MAR 11	1 600 000	1951
1952	---	108 ON MAY 21	0.7068 ON DEC 24	738 000	1952
1953	---	282 ON JUN 4	1.27 B ON JAN 10	994 000	1953
1954	---	202 ON MAY 22	1.35 B ON JAN 23	1 050 000	1954
1955	---	178 ON MAY 19	2.61 B ON DEC 15	851 000	1955
1956	---	160 ON MAY 23	2.69 B ON FEB 19	851 000	1956
1957	---	168 ON MAY 21	3.11 B ON FEB 23	739 000	1957
1958	---	139 ON MAY 27	1.73 B ON FEB 14	790 000	1958
1959	---	171 ON JUN 7	2.85 B ON DEC 9	964 000	1959
1960	---	120 ON JUN 6	2.01 B ON JAN 14	826 000	1960
1961	---	203 ON MAY 27	1.84 B ON DEC 11	801 000	1961
1962	---	121 ON JUN 16	0.9018 ON JAN 16	825 000	1962
1963	---	150 ON JUN 12	1.93 B ON DEC 30	857 000	1963
1964	---	467 ON JUN 10 *	1.50 B ON FEB 8	883 000	1964
1965	---	286 ON JUN 26	0.0400 ON MAR 19 *	824 000	1965
1966	---	202 ON JUN 5	---	---	1966
				843 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

WATERTON RIVER NEAR WATERTON PARK — STATION NO 05AD003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	999	999	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	---	---	171	52 5	13 7	6 65	---	---	---	---	1908
1909	---	---	---	---	43 2	133	60 6	22 2	8 91	6 27	---	---	---	1909
1910	---	---	---	31 3	80 8	51 6	23 6	9 84	17 7	30 1	20 7	---	---	1910
1911	---	---	---	---	47 7	88 0	32 2	21 1	35 6	12 9	---	---	---	1911
1912	6 95	6 13	2 20	10 3	42 6	49 4	34 1	12 8	7 66	9 36	10 5	5 13	16 5	1912
1913	3 39	2 89	3 38	11 6	44 7	95 8	32 1	14 1	7 74	10 9	9 42	5 08	20 4	1913
1914	4 65	3 81	3 71	17 3	64 2	56 5	25 6	12 2	11 2	24 2	15 2	5 70	19 6	1914
1915	3 18	2 56	2 60	15 5	38 8	48 5	27 8	14 0	14 4	15 3	10 9	5 57	16 6	1915
1916	3 48	6 94	7 81	12 7	36 0	104	89 1	19 4	15 2	5 46	4 45	2 76	23 8	1916
1917	3 69	3 53	2 22	3 27	52 1	88 7	49 6	9 63	6 20	4 01	3 33	4 23	19 1	1917
1918	11 0	6 56	3 86	14 2	33 0	89 9	18 0	9 82	7 31	6 79	5 37	2 86	15 5	1918
1919	3 74	3 61	3 08	10 1	50 9	80 0	15 3	5 94	3 52	2 93	2 81	3 27	13 0	1919
1920	3 28	3 61	2 76	4 57	35 3	78 8	50 0	11 0	7 63	9 63	5 77	4 41	18 1	1920
1921	3 39	6 28	5 82	15 0	63 2	94 8	34 8	10 4	6 39	7 03	5 89	5 39	21 4	1921
1922	4 26	3 89	2 39	4 57	54 5	88 0	25 7	7 93	4 81	4 89	5 56	2 75	17 4	1922
1923	3 47	2 91	2 79	8 94	50 7	90 8	25 4	10 5	7 06	7 19	6 30	4 50	18 4	1923
1924	3 93	6 10	4 29	5 58	57 6	78 4	25 1	11 5	6 21	5 88	6 59	10 2	18 3	1924
1925	6 21	5 69	5 39	13 4	62 8	71 0	24 7	10 3	9 57	9 84	6 61	4 94	19 7	1925
1926	3 57	3 63	3 39	20 1	30 0	19 1	12 5	8 02	16 2	24 6	8 80	5 31	12 8	1926
1927	4 10	3 81	3 05	9 00	52 8	120	58 4	18 7	24 2	19 9	12 1	7 03	27 7	1927
1928	4 01	3 38	5 10	8 76	61 5	69 5	54 2	11 4	7 62	13 0	8 65	3 47	22 6	1928
1929	3 91	3 39	2 46	5 27	49 8	85 0	22 4	7 38	4 08	5 22	2 95	2 25	14 3	1929
1930	3 10	3 63	3 67	26 7	55 0	55 3	23 4	7 27	4 85	4 54	3 85	2 80	16 2	1930
1931	1 86	2 29	2 38	5 32	47 4	---	---	---	---	---	---	---	---	1931
1932	---	---	---	---	---	---	---	---	---	5 10	---	---	---	1932
1933	---	---	---	---	---	102	42 6	11 5	---	---	---	---	---	1933
1940	---	---	---	9 30	69 0	111	23 0	13 0	4 33	2 85	2 35	1 98	---	1948
1949	3 82	3 23	3 13	9 97	58 3	50 5	18 2	7 92	5 81	5 76	8 84	9 81	15 3	1949
1950	5 13	3 61	3 97	7 04	39 0	99 0	59 0	13 8	5 57	12 9	16 4	12 2	23 2	1950
1951	3 09	6 62	4 61	14 2	73 4	72 7	64 0	17 0	23 6	26 7	7 88	6 15	27 4	1951
1952	4 52	3 22	2 79	19 6	53 9	44 7	24 0	12 6	5 32	2 91	1 68	1 29	14 7	1952
1953	4 00	4 39	3 41	9 37	51 1	111	50 6	12 2	5 85	3 00	4 16	3 85	22 0	1953
1954	3 99	6 34	3 66	7 23	82 5	76 3	55 8	17 5	15 0	16 6	10 9	6 41	24 3	1954
1955	3 71	3 59	2 43	4 17	28 3	90 1	46 5	11 1	4 66	12 1	11 4	4 93	18 4	1955
1956	3 79	3 66	3 19	12 4	61 0	77 1	37 4	11 1	5 41	6 66	5 39	4 06	19 2	1956
1957	3 63	3 87	3 34	4 34	84 3	83 2	17 4	5 80	3 86	6 99	9 03	3 58	17 3	1957
1958	3 26	2 78	4 92	8 47	71 3	59 3	19 6	7 50	4 67	7 05	7 06	6 37	16 8	1958
1959	7 06	4 82	3 25	13 1	41 9	93 7	40 5	10 8	16 4	20 7	13 4	8 03	22 8	1959
1960	4 44	3 29	6 21	15 8	33 4	70 7	30 8	9 86	6 91	3 26	3 52	3 65	15 6	1960
1961	2 79	3 61	3 95	7 79	52 1	88 8	20 0	7 22	6 03	12 8	6 74	3 96	18 0	1961
1962	3 39	6 38	3 49	18 1	40 2	80 1	21 1	8 53	5 87	6 96	8 16	7 59	15 7	1962
1963	6 26	6 65	6 12	7 74	39 9	80 4	35 8	8 15	4 44	3 30	3 56	3 53	16 8	1963
1964	2 85	2 39	2 05	4 62	45 6	141	40 2	9 37	7 34	12 0	6 04	4 13	23 1	1964
1965	3 56	3 53	3 58	9 50	44 8	97 2	42 3	13 1	10 2	11 7	7 01	5 15	21 0	1965
1966	6 36	3 60	3 22	14 7	49 8	74 5	30 4	10 6	7 16	5 68	7 68	5 74	18 1	1966
1967	6 36	6 61	3 24	4 97	47 8	100	47 6	11 1	4 58	3 46	6 23	4 53	20 2	1967
1968	3 94	6 97	6 52	6 42	41 1	72 0	29 6	12 0	17 4	18 4	9 85	5 42	19 0	1968
1969	6 24	3 10	2 93	17 9	52 5	71 3	31 2	9 10	3 74	5 44	5 19	3 06	17 4	1969
1970	2 73	2 66	2 55	3 48	54 0	104	24 0	7 19	4 85	5 01	3 69	4 18	18 2	1970
1971	3 36	6 02	3 44	9 97	58 1	79 9	45 1	14 9	6 09	6 92	6 03	3 76	21 1	1971
1972	3 96	3 23	10 3	12 5	58 0	100	49 7	21 2	12 7	10 2	5 59	3 25	24 2	1972
1973	6 36	3 07	2 60	5 70	42 2	94 1	18 0	8 82	4 61	4 02	11 6	6 39	13 6	1973
1974	8 41	9 93	6 28	11 3	42 8	113	53 2	15 9	7 04	3 71	3 36	3 26	22 7	1974
1975	2 48	2 60	2 26	2 58	38 1	137	63 9	14 9	9 84	9 24	10 6	12 3	25 5	1975
1976	5 54	6 39	3 61	12 2	60 9	80 2	41 6	20 2	8 00	3 60	2 77	2 12	18 0	1976
1977	3 08	1 81	1 85	8 26	31 7	39 2	9 10	9 22	10 8	5 86	4 16	4 75	9 93	1977
1978	3 04	3 26	3 43	10 3	47 5	70 4	37 9	12 1	14 2	6 81	5 10	2 66	17 9	1978
1979	3 69	3 83	3 21	5 51	48 2	86 7	19 5	6 43	4 16	2 18	2 09	2 84	13 0	1979
1980	3 82	3 98	3 67	17 0	71 1	86 0	13 9	7 73	9 43	6 66	7 91	7 41	17 1	1980
1981	10 1	6 73	9 17	11 7	73 6	89 5	33 7	10 2	4 26	3 13	3 02	2 96	18 6	1981
1982	3 49	3 98	3 73	4 38	35 8	84 7	40 1	11 5	5 30	5 36	4 39	3 80	17 1	1982
1983	3 40	3 88	3 67	7 47	36 0	82 0	27 9	9 88	6 19	2 81	7 72	3 53	13 5	1983
1984	7 49	6 29	3 93	9 87	28 2	86 9	24 3	7 95	5 16	7 05	5 84	3 31	13 6	1984
1985	3 96	3 09	1 93	12 9	53 8	50 4	15 2	9 49	15 2	17 7	16 6	5 39	17 0	1985
1986	3 97	6 96	12 6	17 6	45 6	58 2	14 3	5 62	6 19	11 9	8 60	5 28	16 2	1986
MEAN	4 12	3 88	3 76	10 8	50 3	78 7	34 4	11 4	8 71	9 18	7 24	4 83	18 5	MEAN

LOCATION — LAT 49 05 50 N LONG 113 50 20 W DRAINAGE AREA 814 km² NATURAL FLOW

WATERTON RIVER NEAR WATERTON PARK - STATION NO 05AD003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1908	...	680 E ON JUN 6 *	...	...	1908
1909	...	182 ON JUN 3	...	...	1909
1910	...	83.0 ON JUN 1	...	...	1910
1911	...	116 ON JUN 15	...	...	1911
1912	...	71.9 ON MAY 18	2.04 ON MAR 9	521 000	1912
1913	...	147 ON MAY 29	2.46 B ON FEB 10	845 000	1913
1914	...	82.4 ON JUN 4	2.63 B ON DEC 20	617 000	1914
1915	...	80.6 ON JUN 6	2.10 ON JAN 13	525 000	1915
1916	...	206 ON JUN 19	1.19 B ON DEC 1	761 000	1916
1917	...	130 ON MAY 25	2.15 ON MAR 15	603 000	1917
1918	...	127 ON JUN 13	2.15 ON DEC 10	490 000	1918
1919	...	116 ON MAY 24	1.83 ON JAN 10	410 000	1919
1920	...	130 ON JUN 17	2.12 ON MAR 11	572 000	1920
1921	...	133 ON MAY 26	1.81 B ON JAN 12	675 000	1921
1922	...	144 ON JUN 5	2.04 B ON MAR 31	549 000	1922
1923	...	155 ON JUN 2	2.10 B ON FEB 16	579 000	1923
1924	...	121 ON JUN 14	3.39 ON JAN 8	577 000	1924
1925	...	114 ON MAY 23	3.96 ON DEC 31	822 000	1925
1926	...	50.1 ON OCT 19	3.00 ON MAR 11	404 000	1926
1927	...	165 ON JUN 10	2.83 B ON MAR 26	874 000	1927
1928	...	131 ON MAY 28	2.76 B ON DEC 31	715 000	1928
1929	...	115 ON MAY 25	2.12 B ON NOV 21	483 000	1929
1930	...	79.9 ON MAY 22	2.12 B ON JAN 6	509 000	1930
1931	...	88.0 ON MAY 19	1.73 B ON JAN 21	...	1931
1932	...	...	...	...	1932
1933	...	...	...	...	1933
1948	...	171 ON JUN 18	...	...	1948
1949	94.0 AT 20 00 MST ON MAY 17	93.4 ON MAY 17	1.73 ON FEB 9	483 000	1949
1950	148 AT 12 00 MST ON JUN 22	146 ON JUN 22	3.11 B ON MAR 30	732 000	1950
1951	123 AT 15 00 MST ON JUN 16	121 ON JUN 16	3.62 A ON MAR 24	883 000	1951
1952	73.1 AT 10 00 MST ON MAY 21	72.2 ON MAY 21	0.9434 ON DEC 1	466 000	1952
1953	214 AT 21 00 MST ON JUN 4	200 ON JUN 4	1.10 B ON JAN 6	693 000	1953
1954	150 AT 12 00 MST ON MAY 21	150 ON MAY 21	1.81 B ON DEC 26	767 000	1954
1955	127 AT 06 00 MST ON JUN 25	126 ON JUN 25	0.8788 ON MAR 27 *	580 000	1955
1956	138 AT 23 00 MST ON MAY 22	138 ON MAY 22	2.27 B ON FEB 14	608 000	1956
1957	113 AT 15 00 MST ON MAY 15	111 ON MAY 8	1.70 ON DEC 23	547 000	1957
1958	107 AT 08 00 MST ON MAY 25	106 ON MAY 25	1.83 ON JAN 12	534 000	1958
1959	141 AT 21 00 MST ON JUN 6	137 ON JUN 5	2.92 ON MAR 30	710 000	1959
1960	111 AT 20 00 MST ON JUN 4	108 ON JUN 4	2.83 ON OCT 17	494 000	1960
1961	150 AT 23 30 MST ON MAY 27	144 ON MAY 27	2.00 ON NOV 22	569 000	1961
1962	79.3 AT 17 00 MST ON JUN 14	76.8 ON JUN 14	1.97 ON JAN 23	495 000	1962
1963	131 AT 08 00 MST ON JUN 11	128 ON JUN 11	2.32 ON NOV 28	530 000	1963
1964	728 AT 04 00 MST ON JUN 9 *	643 ON JUN 9	1.83 B ON MAR 24	729 000	1964
1965	159 AT 21 30 MST ON JUN 19	155 ON JUN 19	2.70 ON JAN 1	883 000	1965
1966	116 AT 07 00 MST ON JUN 1	114 ON JUN 1	2.34 ON FEB 27	571 000	1966
1967	136 AT 05 30 MST ON MAY 24	133 ON MAY 24	2.92 ON MAR 15	638 000	1967
1968	99.1 AT 15 30 MST ON JUN 4	97.1 ON JUN 4	3.26 B ON JAN 7	600 000	1968
1969	118 AT 08 30 MST ON JUN 8	116 ON JUN 8	1.65 ON DEC 6	548 000	1969
1970	178 AT 08 00 MST ON JUN 14	176 ON JUN 14	2.31 ON MAR 21	574 000	1970
1971	121 AT 06 00 MST ON MAY 29	119 ON MAY 29	2.18 B ON JAN 11	666 000	1971
1972	169 AT 13 30 MST ON JUN 2	167 ON JUN 2	2.51 B ON DEC 8	785 000	1972
1973	102 AT 09 45 MST ON MAY 20	101 ON MAY 20	2.34 ON MAR 21	439 000	1973
1974	182 AT 14 40 MST ON JUN 18	181 ON JUN 18	2.08 B ON DEC 19	717 000	1974
1975	501 AT 11 55 MST ON JUN 20	467 ON JUN 20	1.87 ON APR 3	804 000	1975
1976	104 AT 06 40 MST ON MAY 12	101 ON MAY 12	1.76 ON DEC 23	569 000	1976
1977	81.3 AT 14 15 MST ON JUN 8	80.4 ON JUN 9	1.49 ON FEB 27	313 000	1977
1978	119 AT 00 10 MST ON JUN 10	113 ON JUN 9	1.82 ON MAR 6	585 000	1978
1979	111 AT 23 25 MST ON MAY 27	109 ON MAY 27	1.64 A ON NOV 19	411 000	1979
1980	155 AT 08 35 MST ON MAY 27	150 ON MAY 27	2.30 A ON FEB 18	541 000	1980
1981	157 AT 20 25 MST ON MAY 23	153 ON MAY 23	2.50 A ON DEC 1	586 000	1981
1982	114 AT 02 50 MST ON JUN 17	113 ON JUN 17	2.18 B ON JAN 22	541 000	1982
1983	95.9 AT 03 10 MST ON MAY 31	95.2 ON MAY 30	2.21 ON DEC 29	426 000	1983
1984	79.8 AT 05 00 MST ON JUN 1	77.8 ON JUN 1	2.52 ON MAR 4	429 000	1984
1985	95.8 AT 01 00 MST ON MAY 26	94.3 ON MAY 26	1.65 ON MAR 16	536 000	1985
1986	135 AT 08 40 MST ON MAY 30	134 ON MAY 31	2.24 ON JAN 16	511 000	1986
				584 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WEILLER CREEK NEAR WETASKIWIN - STATION NO 05FA024

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1985	...	...	1.16	0.809	0.025	0.005	0.020	0.055	0.013	0.008	...	...	0.237	1985
1986	...	...	1.26	0.045	0.135	0.014	0.048	0.021	0.017	0.022	...	...	0.198	1986
MEAN	...	...	1.21	0.327	0.080	0.010	0.034	0.038	0.015	0.016	...	...	0.218	MEAN

LOCATION - LAT 52 57 20 N LONG 113 16 45 W
DRAINAGE AREA 235 km^2
NATURAL FLOW

WEILLER CREEK NEAR WETASKIWIN - STATION NO 05FA024

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1985	5 998 AT 15 05 MST ON MAR 20 *	5 488 ON MAR 19 *	0 B ON MAR 1 *	5 030	1985
1986	---	3 958 ON MAR 2	0 003 ON OCT 25	4 180	1986
				4 600	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

WELCH CREEK TRIBUTARY NEAR LEEDALE - STATION NO 05CC010

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	---	---	---	---	---	0 089	0 035	0 036	---	---	---	1976
1977	---	---	0 030	0 224	0 280	0 081	0 044	0 089	0 067	0 043	---	---	0 103	1977
1978	---	---	0 142	0 287	0 187	0 151	0 094	0 057	0 139	0 089	---	---	0 141	1978
1979	---	---	0 110	0 346	0 171	0 104	0 052	0 020	0 018	0 026	---	---	0 105	1979
1980	---	---	0	0 475	0 070	0 525	0 557	0 193	0 221	0 187	---	---	0 276	1980
1981	---	---	0 243	0 204	0 511	0 181	0 384	0 158	0 083	0 088	---	---	0 230	1981
1982	---	---	0 030	0 600	0 110	0 170	0 780	0 084	0 078	0 101	---	---	0 342	1982
1983	---	---	0 195	0 356	0 082	0 058	0 311	0 096	0 070	0 044	---	---	0 144	1983
1984	---	---	0 085	0 084	0 089	0 075	0 024	0 007	0 050	0 051	---	---	0 058	1984
1985	---	---	0 187	0 505	0 055	0 041	0 002	0 024	0 120	0 030	---	---	0 125	1985
1986	---	---	0 202	0 107	0 344	0 050	0 886	0 147	0 249	0 285	---	---	0 388	1986
MEAN	---	---	0 117	0 330	0 180	0 142	0 311	0 084	0 102	0 092	---	---	0 171	MEAN

LOCATION - LAT 52 34 25 N DRAINAGE AREA 53 6 km^2
LONG 114 34 24 W NATURAL FLOW

WELCH CREEK TRIBUTARY NEAR LEEDALE - STATION NO 05CC010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1976	---	---	---	---	1976
1977	1 68 B AT 18 00 MST ON APR 5	1 63 B ON APR 5	0 010 ON JUL 4	2 190	1977
1978	1 14 B AT 14 30 MST ON MAR 28	0 9348 ON MAR 29	0 0048 ON MAR 1	2 990	1978
1979	1 37 AT 15 00 MST ON APR 23	1 25 ON APR 23	0 B ON MAR 1 *	3 230	1979
1980	5 32 AT 00 30 MST ON JUL 15 *	4 37 ON JUL 15	0 B ON MAR 1	5 890	1980
1981	3 70 AT 09 58 MST ON MAY 7	3 42 ON MAY 7	0 0058 ON MAR 1	4 880	1981
1982	5 15 AT 09 02 MST ON JUL 5	4 85 ON JUL 5	0 B ON MAR 1	5 120	1982
1983	1 48 AT 16 53 MST ON APR 2	1 39 ON APR 2	0 002 ON JUN 9	3 050	1983
1984	0 382 AT 09 50 MST ON OCT 6	0 2208 ON MAR 29	0 ON AUG 9	1 220	1984
1985	---	2 54 B ON APR 2	0 001 ON JUL 1	2 840	1985
1986	---	14 4 ON JUL 16 *	0 028A ON JUL 4	8 040	1986
				3 830	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

WEST ARROWWOOD CREEK NEAR ARROWWOOD - STATION NO 05BM014

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR FEB TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	---	---	0 895	0 045	0 031	0 025	---	---	---	1965
1966	---	---	---	0 185	0 090	0 106	0 739	0 085	0 045	0 072	---	---	---	1966
1967	---	---	5 91	1 12	1 39	0 282	0 011	0 004	0 010	0 013	---	---	---	1967
1968	---	---	0 154	0 095	0 043	0 042	0 018	0 022	0 082	0 138	---	---	---	1968
1969	---	---	0 468	7 41	0 444	0 138	0 127	0 013	0 027	0 042	---	---	---	1969
1970	---	---	1 31	0 539	0 110	0 537	0 140	0 008	0 022	0 056	---	---	---	1970
1971	---	---	2 40	10 0	0 215	0 199	0 027	0 005	0 011	0 022	---	---	---	1971
1972	---	---	4 05	0 477	0 068	0 035	0 022	0 006	0 005	0 022	---	---	---	1972
1973	---	---	3 90	0 353	0 050	0 033	0 004	0	0 001	0 006	---	---	---	1973
1974	---	---	1 76	3 40	0 839	0 083	0 008	0	0	0 010	---	---	---	1974
1975	---	---	0 013	2 83	0 517	0 095	0 021	0 001	0	0 004	---	---	---	1975
1976	---	---	3 01	0 851	0 031	0 005	0	0 001	0	0	---	---	---	1976
1977	---	---	0 052	0 019	0 006	0 001	0	0	0	0	---	---	---	1977
1978	---	---	0 178	0 433	0 077	0 035	0 001	0	0	0	---	---	---	1978
1979	---	---	2 39	0 282	0 110	0 004	0	0	0	0	---	---	---	1979
1980	---	---	0 055	3 98	0 180	0 225	0 005	0	0	0 003	---	---	---	1980
1981	---	---	0 131	0 041	0 107	0 035	0 025	0 018	0	0 008	---	---	---	1981
1982	---	---	0 207	0 261	0 037	0 014	0 009	0	0	0 003	---	---	---	1982
1983	---	---	0 140	0 087	0 021	0 001	0 001	0	0	0	---	---	---	1983
1984	---	0 001	0 038	0 014	0 005	0 005	0	0	0	0	---	---	0 006	1984
1985	---	0 085	3 97	0 240	0 050	0 006	0	0	0	0 004	---	---	0 380	1985
1986	---	0 375	0 359	0 033	0 065	0 005	0	0	0 004	0 003	---	---	0 092	1986
MEAN	---	0 157	1 45	1 55	0 212	0 089	0 094	0 009	0 011	0 030	---	---	0 189	MEAN

LOCATION - LAT 50 45 50 N DRAINAGE AREA 775 km^2
LONG 113 14 00 W NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1977

WEST ARROWWOOD CREEK NEAR ARROWWOOD - STATION NO 05BM014

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR FEB TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	...	...	...	...	1965
1966	...	...	...	...	1966
1967	71 9 AT 05 00 MST ON MAR 23	58 9 ON MAR 24	0 003 ON JUL 28	...	1967
1968	0 854 AT 17 20 MST ON SEP 23	0 391 ON SEP 24	0 0085 ON FEB 25	...	1968
1969	...	37 1 ON APR 5	0 0 ON MAR 1 A	...	1969
1970	...	...	...	...	1970
1971	81 6 AT 08 00 MST ON APR 7 *	4 30 B ON MAR 24	0 003 ON AUG 19	...	1971
1972	...	84 8 ON APR 7 *	0 001 ON AUG 20	...	1972
1973	11 4 B AT 22 30 MST ON MAR 21	42 8 B ON MAR 18	0 B ON MAR 1	...	1973
1974	...	9 80 B ON MAR 21	0 ON JUL 28	...	1974
1975	15 2 B AT 20 00 MST ON APR 13	71 0 B ON APR 1	0 ON AUG 1	...	1975
1976	14 5 B AT 00 00 MST ON MAR 19	13 1 B ON APR 10	0 B ON FEB 24	...	1976
1977	...	12 9 B ON MAR 18	0 B ON MAR 3	...	1977
1978	3 86 AT 13 00 MST ON MAR 31	0 0819 ON FEB 21	0 ON JUN 12	...	1978
1979	8 58 B AT 10 30 MST ON MAR 11	2 42 ON APR 1	0 B ON MAR 1	...	1979
1980	13 5 AT 18 00 MST ON APR 9	4 70 B ON MAR 11	0 B ON FEB 28	...	1980
1981	0 730 AT 00 50 MST ON JUN 1	11 8 ON APR 9	0 B ON MAR 5	...	1981
1982	1 05 AT 15 14 MST ON APR 12	1 01 B ON FEB 21	0 ON AUG 28	...	1982
1983	...	0 336 ON APR 12	0 B ON FEB 24	...	1983
1984	...	0 3818 ON MAR 12	0 ON JUN 12	...	1984
1985	14 9 B AT 20 01 MST ON MAR 21	0 1488 ON MAR 20	0 B ON FEB 1	138	1985
1986	...	13 2 B ON MAR 21	0 B ON FEB 1	8 950	1986
		3 80 B ON FEB 28	0 B ON FEB 1	2 170	MEAN
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		3 760	

WEST ARROWWOOD CREEK NEAR ENSIGN - STATION NO 05BM018

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR FEB TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1985	...	...	...	...	...	...	...	0	0	0	...	...	...	1985
1986	...	0 032	0 002	0	0 001	0	0	0	0	0	...	...	0 004	1986
MEAN	...	0 032	0 002	0	0 001	0	0	0	0	0	...	...	0 004	MEAN

LOCATION - LAT 50 30 50 N DRAINAGE AREA 25 6 km^2
LONG 113 20 35 W NATURAL FLOW

WEST ARROWWOOD CREEK NEAR ENSIGN - STATION NO 05BM018

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR FEB TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1985	...	...	0A ON JUL 31 *	...	1985
1986	...	0 4128 ON FEB 25 *	0 ON FEB 1	89 6	1986
	A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		89 6	MEAN

WEST PRAIRIE RIVER NEAR HIGH PRAIRIE - STATION NO 07BF002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1921	---	---	---	---	9.31	7.88	8.67	2.99	1.70	1.25	---	---	---	1921
1922	---	---	---	---	15.8	2.14	0.679	0.327	0.132	0.145	---	---	---	1922
1923	---	---	---	5.65	5.59	3.47	12.1	1.39	0.521	0.409	---	---	---	1923
1924	---	---	---	0.340	3.88	1.21	3.93	13.6	10.8	8.22	---	---	---	1924
1925	---	---	---	---	8.47	7.14	2.83	4.65	4.83	3.58	---	---	---	1925
1926	---	---	---	17.1	12.1	31.1	3.25	2.80	18.6	7.34	---	---	---	1926
1927	---	---	---	7.55	14.4	30.4	26.5	3.85	3.09	3.50	---	---	---	1927
1928	---	---	0.381	12.1	16.6	8.69	4.50	2.29	2.23	2.76	---	---	---	1928
1929	---	---	---	20.6	16.9	4.55	12.4	7.12	7.30	3.76	---	---	---	1929
1930	---	---	---	5.93	18.7	47.8	5.88	1.24	1.01	0.908	---	---	---	1930
1959	---	---	0.196	3.02	3.77	2.07	0.575	1.06	0.741	0.609	---	---	---	1959
1960	---	---	0.398	8.30	12.4	11.9	2.08	0.238	0.103	0.032	---	---	---	1960
1961	---	---	0.362	1.88	8.28	1.22	14.4	0.614	0.093	0.140	---	---	---	1961
1962	---	---	0	30.6	26.6	9.29	1.70	1.88	1.27	0.398	---	---	---	1962
1963	---	---	0.100	26.5	18.1	2.16	0.394	0.381	0.354	0.322	---	---	---	1963
1964	---	---	0.052	12.0	26.2	3.30	17.5	29.6	8.89	3.24	---	---	---	1964
1965	---	---	0.193	40.6	30.4	20.9	10.6	5.70	3.75	1.84	---	---	---	1965
1966	---	---	0.188	21.7	17.5	3.33	1.30	2.77	2.43	0.508	---	---	---	1966
1967	---	---	0.086	3.23	23.5	4.23	0.463	0.151	0.019	0.019	---	---	---	1967
1968	---	---	0.828	1.44	4.87	8.36	3.36	1.34	0.466	0.280	---	---	---	1968
1969	---	---	0.031	12.3	5.19	1.00	0.123	0.071	3.81	1.91	---	---	---	1969
1970	---	---	0.123	19.9	18.2	7.81	5.02	2.95	0.852	0.902	0.507	0.155	---	1970
1971	0.107	0.074	0.033	26.0	7.38	23.3	29.2	1.88	0.832	0.887	0.241	0.200	7.47	1971
1972	0.117	0.108	0.337	9.02	14.2	7.30	4.17	2.65	1.18	1.14	0.798	0.289	3.44	1972
1973	0.228	0.181	0.206	19.8	18.1	14.9	2.91	5.46	1.84	2.88	1.59	0.438	8.03	1973
1974	0.232	0.232	0.214	40.9	33.9	2.93	7.08	0.760	0.934	0.818	0.497	0.276	7.42	1974
1975	0.178	0.091	0.088	5.08	8.08	12.6	9.75	1.50	5.42	1.15	1.04	0.449	3.78	1975
1976	0.200	0.184	0.172	28.5	8.40	24.9	13.5	34.6	8.48	2.51	1.05	0.376	10.4	1976
1977	0.306	0.417	0.460	24.1	33.3	17.5	14.8	1.73	2.13	0.850	0.533	0.171	8.06	1977
1978	0.078	0.077	0.366	9.48	12.8	22.3	2.10	0.702	10.7	2.89	1.47	0.711	5.29	1978
1979	0.237	0.081	0.239	10.9	35.0	28.9	27.8	1.81	0.374	0.255	0.218	0.078	8.87	1979
1980	0.058	0.030	0.085	7.41	7.82	10.4	5.81	2.32	4.20	1.98	0.710	0.117	3.50	1980
1981	0.150	0.151	0.803	10.2	8.74	5.07	1.31	0.215	0.060	0.102	0.087	0.027	2.23	1981
1982	0.001	0	0	1.03	11.2	1.18	5.82	21.3	1.74	0.674	0.140	0.053	3.85	1982
1983	0.008	0.006	0.048	1.39	2.07	23.7	34.6	3.87	1.55	0.732	0.645	0.171	5.78	1983
1984	0.020	0.012	0.365	3.53	17.2	16.1	3.99	0.759	2.53	1.26	1.18	0.208	3.84	1984
1985	0.069	0.022	1.51	17.9	15.1	2.72	0.947	0.795	5.21	5.87	1.18	0.280	4.31	1985
1986	0.172	0.100	0.895	12.2	15.2	2.41	8.12	1.78	0.493	3.29	0.956	0.303	3.85	1986
MEAN	0.136	0.109	0.293	13.8	14.8	11.6	8.19	4.45	3.13	1.81	0.788	0.251	5.50	MEAN

LOCATION - LAT 55 26 50 N DRAINAGE AREA 1 180 km²
LONG 116 29 30 W NATURAL FLOW

WEST PRAIRIE RIVER NEAR HIGH PRAIRIE - STATION NO 07BF002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1921	---	26.3 ON MAY 30	---	---	1921
1922	---	47.6 ON MAY 10	---	---	1922
1923	---	41.1 ON JUL 7	0 B ON APR 1 *	---	1923
1924	---	48.4 ON AUG 30	0 B ON APR 1	---	1924
1925	---	---	---	---	1925
1926	---	---	---	---	1926
1927	---	129 ON JUN 12	---	---	1927
1928	116 AT 16 00 MST ON JUN 25	116 ON JUN 25	---	---	1928
1929	---	85.8 B ON APR 25	0 B ON MAR 1	---	1929
1930	---	112 ON JUL 22	---	---	1930
1959	5.78 AT 09 15 MST ON MAY 14	110 ON JUN 2	---	---	1959
1960	48.7 AT 08 00 MST ON MAY 15	5.61 ON MAY 14	0 B ON MAR 1	---	1960
1961	53.8 AT 10 00 MST ON JUL 3	43.3 ON MAY 15	0 B ON MAR 1	---	1961
1962	---	51.0 ON JUL 2	B ON MAR 1	---	1962
1963	---	69.4 ON APR 26	---	---	1963
1964	---	70.8 ON APR 26	---	---	1964
1965	---	113 ON JUL 18	---	---	1965
1966	---	178 ON JUN 29	---	---	1966
1967	---	53.0 B ON APR 7	---	---	1967
1968	---	58.3 ON MAY 8	---	---	1968
1969	---	43.9 ON JUN 14	---	---	1969
1970	---	37.4 B ON APR 15	---	---	1970
1971	---	82.6 ON APR 28	---	235 000	1971
1972	80.1 AT 00 30 MST ON APR 30	183 ON JUL 5	0 B ON MAR 3	109 000	1972
1973	127 AT 21 00 MST ON JUN 17	61.4 ON APR 30	0 0.0868 ON JAN 14	190 000	1973
1974	183 AT 13 00 MST ON APR 27	95.4 ON JUN 17	0 1.138 ON FEB 17	234 000	1974
1975	143 AT 18 30 MST ON JUN 29	151 ON APR 27	0 1.708 ON JAN 15	120 000	1975
1976	---	132 ON JUN 29	0.0628 ON FEB 13	328 000	1976
1977	144 AT 03 30 MST ON MAY 13	151 ON JUN 28	0 1.138 ON JAN 7	254 000	1977
1978	142 AT 23 30 MST ON JUN 15	121 ON MAY 13	0 1.138 ON DEC 31	167 000	1978
1979	194 AT 21 30 MST ON JUN 15	120 ON JUN 15	0.0578 ON FEB 2	280 000	1979
1980	57.8 AT 07 00 MST ON MAY 29	176 ON JUN 15	0.034 ON OCT 17	111 000	1980
1981	29.1 AT 20 00 MST ON APR 25	53.8 ON MAY 29	0 B ON FEB 21	70 200	1981
1982	187 AT 10 30 MST ON AUG 4	26.4 ON APR 26	0 0.0869 ON DEC 31	115 000	1982
1983	335 AT 03 00 MST ON JUL 28 *	184 E ON AUG 4	0 B ON JAN 11	182 000	1983
1984	108 AT 10 30 MST ON JUN 5	236 ON JUL 28 *	0 B ON JAN 11	122 000	1984
1985	53.8 AT 00 30 MST ON MAY 4	100 ON JUN 5	0 B ON JAN 15	138 000	1985
1986	35.9 AT 19 30 MST ON APR 21	52.5 ON MAY 4	0 0.0128 ON FEB 11	121 000	1986
		32.5 ON MAY 24	0 0.0508 ON FEB 20	174 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WEST SAUKI DRAIN NEAR ROLLING HILLS - STATION NO. 05BN016

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	---	---	---	0.353	0.128	0.277	0.005	---	---	1965
1966	---	---	---	---	0.141	0.427	0.558	---	---	---	---	---	---	1966
1967	---	---	---	---	0.047	0.345	0.407	0.538	0.159	0.286	---	---	---	1967
1968	---	---	---	---	0.298	0.582	---	---	---	---	---	---	---	1968
MEAN	---	---	---	---	0.162	0.485	0.483	0.446	0.144	0.272	0.005	---	---	MEAN

LOCATION - LAT 50 13 21 N
LONG 112 00 32 W REGULATED

WEST SAUKI DRAIN NEAR ROLLING HILLS - STATION NO. 05BN016

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	---	0 ON NOV 15 *	---	1965
1966	---	---	0 ON NOV 5	---	1966
1967	---	1.38 ON AUG 9 *	0E ON MAY 1	---	1967
1968	---	---	---	---	1968
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

E - ESTIMATED

WEST STREETER CREEK NEAR NANTON - STATION NO. 05AB022

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	0	0	0	0	0.001	0	0	0	0	0	0	0	0	1964
1965	0	0	0	0	0	0.001	0.001	0	0	0	0	0	0	1965
1966	0	0	0	0	0	0.006	0	0	0	0	0	0	0.001	1966
1967	0	0	0	0	0.010	0.010	0	0	0	0	0	0	0.002	1967
1968	0	0	0	0	0	0	0	0	0	0	0	0	0	1968
1969	0	0	0	0.006	0.004	0.011	0.013	0	0	0	0	0	0.003	1969
1970	---	---	---	---	---	---	---	---	---	---	---	---	---	1970
MEAN	0	0	0	0.001	0.003	0.005	0.002	0	0	0	0	0	0.001	MEAN

LOCATION - LAT 50 05 29 N DRAINAGE AREA 1.37 km^2
LONG 114 03 59 W NATURAL FLOW

WEST STREETER CREEK NEAR NANTON - STATION NO. 05AB022

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	---	0.008E ON MAY 1	0 ON JAN 1 *	2.59	1964
1965	0.015 AT 19 00 MST ON APR 1	0.008 ON JUN 18	0 ON JAN 1	5.18	1965
1966	---	0.020E ON JUN 6	0 ON JAN 1	16.9	1966
1967	0.045 AT 02 00 MST ON MAY 22	0.040 ON MAY 21	0 ON JAN 1	53.9	1967
1968	0 AT 09 00 MST ON APR 13	0 ON JAN 1	0 ON JAN 1	0	1968
1969	0.074 AT 14 00 MST ON JUN 26 *	0.068 ON JUN 26 *	0 ON JAN 1	89.3	1969
1970	---	---	0 ON JAN 8	---	1970
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		28.0	MEAN

E - ESTIMATED

WEST STREETER SPRING NO. 1 NEAR NANTON - STATION NO. 05AB025

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	---	---	---	---	---	---	0	0	0	0	---	1964
1965	0	0	0	0	0.001	0.001	0.003	0	0	0	0	0	0	1965
1966	0	0	0	0	0.001	0.004	0.001	0	0	0	0	0	0.001	1966
1967	0	0	0	0	0.004	0.006	0.001	0	0	0	0	0	0.001	1967
1968	0	0	0	0	0	0.001	0	0	0	0.001	0.001	0	0	1968
1969	0	0	0	0.004	0.003	0.002	0.005	0.001	0	0	0	0	0.001	1969
1970	0	0	0	0	0.001	0.002	0.001	0.001	0	0	0	0	0	1970
1971	0	0	0	0	0.001	0.001	0.001	0	0	0	0	0	0	1971
1972	0	0	0	0.001	0.005	0.003	0.001	0	0	0	0	0	0.001	1972
1973	0	0	0	0.001	0.003	0.002	0.001	0	0	0	0	0	0.001	1973
1974	0	0	0	0	0.004	0.003	0.001	0	0	0	0	0	0.001	1974
1975	0	0	0	0	0.005	0.004	0.002	0.001	0	0	0	0	0.001	1975
1976	0	0	0	0.001	0.002	0.001	0	0.001	0.001	0	0	0	0.001	1976
1977	0	0	0	0	0	0	0	0	0	0	0	0	0	1977
1978	0	0	0	0	0.005	0.005	0.001	0.001	0	0	0	0	0.001	1978
1979	0	0	0	0	0.004	0.001	0	0	0	0	0	0	0.001	1979
1980	0	0	0	0	0	0	0	0	0	0	0	0	0	1980
1981	0	0	0	0	0.003	0.004	0.001	0.001	0	0	0	0	0.001	1981
1982	0	0	0	0	0	0.001	0.002	0	0	0	0	0	0	1982
1983	0	0	0	0	0	0.001	0	0	0	0	0 R	0R	0 R	1983
MEAN	0	0	0	0	0.002	0.002	0.001	0	0	0	0 R	0R	0.001	MEAN

LOCATION - LAT 50 05 20 N
LONG 114 04 04 W NATURAL FLOW

R - REVISED SINCE JAN 1986

WEST STREETER SPRING NO 1 NEAR NANTON - STATION NO 05AB025

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	---	---	0 ON AUG 28 *	---	1964
1965	---	0 005E ON JUL 2	0E ON JAN 1	13 7	1965
1966	---	0 008 ON JUN 8	0E ON JAN 1	18 1	1966
1967	---	0 011E ON MAY 31	0E ON JAN 1	31 2	1967
1968	---	0 002 ON OCT 22	0E ON JAN 1	10 8	1968
1969	---	0 014E ON JUN 30 *	0E ON JAN 1	41 9	1969
1970	---	0 003 ON JUN 16	0 ON JAN 1	13 8	1970
1971	0 002 AT 09 30 MST ON JUN 17	0 002 ON JUN 5	0 ON JAN 1	4 89	1971
1972	0 006 AT 03 00 MST ON MAY 29	0 006 ON MAY 28	0 ON JAN 1	23 9	1972
1973	0 004 AT 21 30 MST ON MAY 27	0 004 ON MAY 27	0E ON JAN 1	17 3	1973
1974	0 010 AT 00 00 MST ON MAY 25	0 010 ON MAY 25	0 ON JAN 1	21 0	1974
1975	0 008 AT 12 00 MST ON MAY 14	0 008 ON MAY 14	0 ON JAN 1	31 5	1975
1976	0 002 AT 17 30 MST ON MAY 19	0 002 ON MAY 9	0 ON JAN 1	18 1	1976
1977	---	0 ON JAN 1	0 ON JAN 1	0	1977
1978	0.012 AT 18 00 MST ON JUN 2 *	0 012 ON JUN 1	0 ON JAN 1	32 5	1978
1979	---	0 007E ON MAY 17	0 ON JAN 1	17 8	1979
1980	0 001 AT 14 00 MST ON APR 19	0 001 ON APR 17	0 ON JAN 1	1 03	1980
1981	0 010 AT 09 15 MST ON MAY 23	0 009 ON MAY 20	0 ON JAN 1	24 1	1981
1982	0 002 AT 09 54 MST ON JUL 12	0 002 ON JUL 2	0 ON JAN 1	7 52	1982
1983	0 001 AT 03 20 MST ON JUN 13	0 001 ON MAY 10	0 ON JAN 1	4 83R	1983
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD R - REVISED SINCE JAN 1 1986		17 7 R	MEAN

WESTERN IRRIGATION DISTRICT CANAL "A" NEAR HEADGATE - STATION NO 05BM018

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	0	0	0	0	2 76	4 30	7 09	7 84	5 72	0 601	0	0	2 44	1978
1979	0	0	0	0	1 77	9 10	12 0	9 43	7 28	0 286	0	0	3 34	1979
MEAN	0	0	0	0	2 27	6 70	9 55	8 63	7 00	0 444	0	0	2 89	MEAN

LOCATION - LAT 51 00 34 N
LONG 113 47 33 W REGULATED SINCE 1908

WESTERN IRRIGATION DISTRICT CANAL "A" NEAR HEADGATE - STATION NO 05BM018

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	---	8 78 ON JUL 30	0 ON JAN 1 *	77 000	1978
1979	---	12 6 ON JUL 29 *	0 ON JAN 1	105 000	1979
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		91 000	MEAN

WESTERN IRRIGATION DISTRICT CANAL "B" NEAR HEADGATE - STATION NO 05BM017

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	---	0 050	4 66	5 01	7 82	5 93	4 86	0 202	0 351	---	3 77	1980
1981	---	---	---	0 320	3 01	4 30	5 33	5 16	5 59	1 30	0 070	---	3 14	1981
1982	---	---	---	---	2 51	7 58	6 46	8 22	4 78	1 29	---	---	---	1982
1983	---	---	---	0 085	3 24	8 21	7 25	7 59	5 96	0 791	0 154	0 028	4 18	1983
1984	---	---	---	0 588	4 82	6 96	10 9	9 70	6 50	0 507	0 174	0 011	5 04	1984
1985	---	---	---	0 102	4 16	8 79	11 0	8 87	4 33	0 210	---	---	---	1985
1986	---	---	---	0 285	2 57	10 8	9 07	6 56	6 07	0 018	0 028	---	4 41	1986
MEAN	---	---	---	0 337	3 57	7 49	8 26	7 18	5 46	0 617	0 155	0 020	4 10	MEAN

LOCATION - LAT 51 03 41 N
LONG 113 49 02 W REGULATED

WESTERN IRRIGATION DISTRICT CANAL "B" NEAR HEADGATE - STATION NO 05BM017

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1980	---	---	---	---	1980
1981	---	10 1 ON JUL 18	0 ON APR 1 *	78 500	1981
1982	---	6 42 ON JUL 2	0 ON APR 1	86 400	1982
1983	---	---	---	---	1983
1984	---	9 77 ON JUN 17	0 ON APR 26	87 800	1984
		12 9 ON JUL 31	0 0408 ON NOV 30	108 000	
1985	14 1 AT 07 50 MST ON JUL 22 *	13 3 ON JUL 16 *	0 A ON OCT 16	---	1985
1986	---	12 6 ON JUN 29	0 B ON APR 1	92 900	1986
	A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		86 900	MEAN

WESTERN IRRIGATION DISTRICT CANAL NEAR CHESTERMERE LAKE - STATION NO 05BM003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	0	1.69	1.63	6.21	5.86	1.75	3.23	---	---	---	1908
1909	---	---	---	0	3.45	2.45	4.43	8.23	6.48	1.32	---	---	---	1909
1910	---	---	---	0.723	5.22	6.46	15.6	10.4	6.26	2.02	---	---	---	1910
1911	---	---	---	0.037	4.24	7.25	7.61	4.07	6.08	0	---	---	---	1911
1912	---	---	---	1.12	3.91	6.49	5.07	5.36	5.56	0	---	---	---	1912
1913	---	---	---	1.17	6.85	5.50	6.48	3.47	8.02	0.020	---	---	---	1913
1914	---	---	---	1.83	5.28	13.0	7.69	10.2	8.87	0	---	---	---	1914
1915	---	---	---	0	6.76	7.06	9.94	4.51	4.02	0	---	---	---	1915
1916	---	---	---	1.52	5.07	1.98	4.40	5.49	4.68	0	---	---	---	1916
1917	---	---	---	2.16	3.20	3.85	7.38	11.4	8.47	0	---	---	---	1917
1918	---	---	---	1.21	4.91	14.9	23.2	15.6	10.7	3.82	---	---	---	1918
1919	---	---	---	1.40	2.78	15.2	30.3	10.7	7.34	0	---	---	---	1919
1920	---	---	---	0	1.01	8.59	9.57	11.9	12.6	0.074	---	---	---	1920
1921	---	---	---	1.40	6.48	24.6	30.3	12.8	13.8	0.064	---	---	---	1921
1922	---	---	---	0	7.88	34.3	28.2	19.9	13.6	2.01	---	---	---	1922
1923	---	---	---	0.805	8.36	4.48	7.82	7.29	8.70	0	---	---	---	1923
1924	---	---	---	0.091	9.63	13.5	19.1	10.2	12.0	3.64	---	---	---	1924
1925	---	---	---	0.711	8.71	7.70	9.49	10.3	8.90	1.20	---	---	---	1925
1926	---	---	---	0.187	10.9	14.9	17.8	9.85	4.71	0	---	---	---	1926
1927	---	---	---	0	0.841	4.70	5.15	6.73	6.30	0.054	---	---	---	1927
1928	---	---	---	0	9.01	8.61	4.89	6.66	8.61	0	---	---	---	1928
1929	---	---	---	0.991	7.24	13.3	30.0	16.7	14.6	1.93	---	---	---	1929
1930	---	---	---	0	6.60	20.3	24.8	19.3	16.5	9.11	---	---	---	1930
1931	---	---	---	2.01	16.9	20.2	11.2	19.2	11.7	0	---	---	---	1931
1932	---	---	---	0	2.66	7.71	13.7	14.5	10.0	0	---	---	---	1932
1933	---	---	---	0	2.35	22.9	26.9	17.6	13.9	2.26	---	---	---	1933
1934	---	---	---	0.809	17.1	15.4	19.6	18.5	16.9	3.62	---	---	---	1934
1935	---	---	---	0	6.77	13.7	15.2	13.5	12.2	0	---	---	---	1935
1936	---	---	---	0	4.30	12.4	33.1	17.5	22.9	0.494	---	---	---	1936
1937	---	---	---	0	7.61	22.6	31.9	18.5	17.8	2.58	---	---	---	1937
1938	---	---	---	0	4.73	20.1	24.1	14.6	16.7	0	---	---	---	1938
1939	---	---	---	0.200	14.7	12.3	13.6	17.9	14.3	0	---	---	---	1939
1940	---	---	---	0	4.05	16.5	20.7	13.9	9.21	0	---	---	---	1940
1941	---	---	---	3.83	5.80	14.8	23.4	12.5	9.03	0	---	---	---	1941
1942	---	---	---	1.88	10.5	13.4	8.60	10.3	9.97	0	---	---	---	1942
1943	---	---	---	1.71	4.82	10.8	15.2	14.4	12.8	3.69	---	---	---	1943
1944	---	---	---	1.36	12.5	13.6	16.5	11.9	13.1	1.19	---	---	---	1944
1945	---	---	---	0.078	7.09	11.2	12.2	13.7	12.0	1.80	---	---	---	1945
1946	---	---	---	1.14	10.7	15.3	12.3	14.0	11.4	0.375	---	---	---	1946
1947	---	---	---	0	9.32	13.0	17.9	12.7	9.52	1.78	---	---	---	1947
1948	---	---	---	0	0.098	4.77	15.4	12.3	9.93	1.31	---	---	---	1948
1949	---	---	---	2.24	13.8	22.0	17.0	13.4	14.5	4.10	---	---	---	1949
1950	---	---	---	0	5.99	22.3	12.8	7.59	9.28	1.89	---	---	---	1950
1951	---	---	---	0	1.75	7.17	6.63	6.92	5.70	0.263	---	---	---	1951
1952	---	---	---	0	6.94	7.81	5.97	6.55	7.78	1.68	---	---	---	1952
1953	---	---	---	0	3.22	2.82	4.78	7.89	7.94	1.89	---	---	---	1953
1954	---	---	---	0.028	3.85	7.58	13.1	8.18	5.00	0.037	---	---	---	1954
1955	---	---	---	0.138	1.65	9.89	8.60	9.95	8.38	0.576	---	---	---	1955
1956	---	---	---	0	3.39	12.0	9.29	8.36	8.99	0.492	---	---	---	1956
1957	---	---	---	0.001	7.98	13.4	10.6	9.01	7.53	1.10	---	---	---	1957
1958	---	---	---	0.007	11.0	11.4	9.38	9.52	9.20	0.569	---	---	---	1958
1959	---	---	---	2.22	7.35	12.3	9.78	8.84	8.72	1.33	---	---	---	1959
1960	---	---	---	1.27	3.77	12.8	11.0	9.42	8.97	0.167	---	---	---	1960
1961	---	---	---	1.56	8.19	17.1	15.5	10.7	11.7	0.267	---	---	---	1961
1962	---	---	---	1.36	9.87	15.4	16.4	13.3	11.8	2.98	---	---	---	1962
1963	---	---	---	1.32	12.4	16.7	8.40	11.3	11.8	4.25	0.012	---	8.28	1963
1964	---	---	---	0.256	7.62	15.5	12.3	14.5	12.1	3.12	---	---	---	1964
1965	---	---	---	0.071	8.05	11.3	5.12	8.38	8.86	0.984	---	---	---	1965
1966	---	---	---	0	6.55	10.1	12.3	7.81	7.51	1.75	---	---	---	1966
1967	---	---	---	0.239	2.30	4.95	12.3	14.9	11.3	2.40	---	---	---	1967
1968	---	---	---	0.867	11.6	11.4	8.98	9.04	8.11	0.793	---	---	---	1968
1969	---	---	---	0	5.45	15.3	7.61	9.71	6.39	0.147	---	---	---	1969
1970	---	---	---	0.006	5.83	11.0	9.38	10.4	11.2	1.76	---	---	---	1970
1971	---	---	---	0	5.30	8.62	11.6	12.2	9.76	0.605	0.030	---	6.30	1971
1972	---	---	---	0.645	9.62	13.0	9.89	10.3	8.33	0.066	---	---	---	1972
1973	---	---	---	0.127	8.72	12.2	11.2	11.2	8.62	0.072	---	---	---	1973
1974	---	---	---	0.231	2.22	9.70	12.2	12.6	9.37	0.109	---	---	---	1974
1975	---	---	---	0.022	5.18	11.4	13.2	12.7	10.8	0.217	---	---	---	1975
1976	---	---	---	2.87	10.8	15.3	14.5	13.2	14.7	0.471	---	---	---	1976
1977	---	---	---	1.38	12.0	15.5	14.2	11.9	8.43	0.267	---	---	---	1977
1978	---	---	---	0.042	6.22	7.79	13.5	12.9	7.42	0.048	0	---	6.03	1978
1979	---	---	---	0	4.49	16.1	18.2	14.7	10.8	0.236	0	---	8.10	1979
1980	---	---	---	0.033	10.8	13.4	15.7	12.8	10.3	0.537	0.033	---	7.98	1980
1981	---	---	---	2.13	7.99	10.4	10.7	9.32	9.66	0.408	0.025	---	6.34	1981
1982	---	---	---	0.033	6.02	16.7	13.1	15.6	8.49	0.627	0.010	---	7.59	1982
1983	---	---	---	1.78	7.76	18.3	13.8	15.1	11.7	0.199	---	---	---	1983
1984	---	---	---	2.39	10.6	13.5	21.2	18.1	9.58	0.187	0.013	---	9.50	1984
1985	---	---	---	0.308	9.73	17.9	23.1	16.4	6.24	0.150	0.012	---	8.28	1985
1986	---	---	---	2.25	4.28	17.8	15.8	12.5	8.39	0.290	---	---	---	1986
MEAN	---	---	---	0.887	6.87	12.5	14.0	11.7	9.92	1.07	0.015	---	7.71	MEAN

LOCATION - LAT 51 01 00 N
LONG 113 50 30 W REGULATED SINCE 1908

WESTERN IRRIGATION DISTRICT CANAL NEAR CHESTERMERE LAKE - STATION NO 05BM003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1908	---	11.7 ON JUL 3	0 ON APR 1 *	---	1908
1909	---	13.3 ON SEP 5	0 ON APR 1	---	1909
1910	---	18.5 ON JUL 16	0 ON APR 1	---	1910
1911	---	13.2 ON JUN 24	0 ON APR 1	---	1911
1912	---	10.9 ON JUN 26	0 ON APR 1	---	1912
1913	---	12.6 ON SEP 13	0 ON APR 1	---	1913
1914	---	23.5 ON JUN 8	0 ON APR 1	---	1914
1915	---	23.8 ON JUL 6	0 ON APR 1	---	1915
1916	---	10.8 ON AUG 24	0 ON APR 1	---	1916
1917	---	15.6 ON JUL 24	0 ON APR 1	---	1917
1918	---	31.4 ON JUN 22	0 ON APR 1	---	1918
1919	---	41.3 ON JUL 11	0 ON APR 1	---	1919
1920	---	15.6 ON JUL 4	0 ON APR 1	---	1920
1921	---	45.0 ON JUL 1	0 ON APR 1	---	1921
1922	---	42.8 ON JUN 28	0 ON APR 1	---	1922
1923	---	25.4 ON JUL 27	0 E ON APR 1	---	1923
1924	---	30.6 ON JUL 17	0 ON APR 1	---	1924
1925	---	17.0 ON OCT 21	0 ON APR 1	---	1925
1926	---	29.4 ON JUN 6	0 ON APR 1	---	1926
1927	---	20.9 ON SEP 23	0 ON APR 1	---	1927
1928	---	22.3 ON JUL 15	0 ON APR 1	---	1928
1929	---	43.0 ON JUL 6	0 ON APR 1	---	1929
1930	---	45.3 ON JUL 16 *	0 ON APR 1	---	1930
1931	---	41.9 ON JUN 2	0 ON APR 1	---	1931
1932	---	21.2 ON AUG 1	0 ON APR 1	---	1932
1933	---	36.5 ON JUN 23	0 ON APR 1	---	1933
1934	---	31.1 ON JUN 2	0 ON APR 1	---	1934
1935	---	23.7 ON JUL 17	0 E ON APR 1	---	1935
1936	---	39.1 ON JUL 15	0 ON APR 1	---	1936
1937	---	43.9 ON JUN 26	0 ON APR 1	---	1937
1938	---	32.8 ON JUL 1	0 ON APR 1	---	1938
1939	---	29.2 ON AUG 2	0 E ON APR 1	---	1939
1940	---	35.4 ON JUN 29	0 ON APR 1	---	1940
1941	---	37.9 ON APR 9	0 ON APR 1	---	1941
1942	---	19.1 ON APR 25	0 ON APR 1	---	1942
1943	---	19.0 ON JUL 11	0 ON APR 1	---	1943
1944	---	19.3 ON MAY 14	0 ON APR 1	---	1944
1945	---	21.4 ON OCT 3	0 ON APR 1	---	1945
1946	---	18.8 ON MAY 31	0 ON APR 1	---	1946
1947	---	25.1 ON JUL 17	0 ON APR 1	---	1947
1948	---	19.1 ON JUL 10	0 ON APR 1	---	1948
1949	---	27.9 ON JUN 25	0 ON APR 1	---	1949
1950	---	26.4 ON JUN 22	0 ON APR 1	---	1950
1951	---	9.43 ON JUN 4	0 ON APR 1	---	1951
1952	---	11.8 ON SEP 27	0 ON APR 1	---	1952
1953	---	10.2 ON AUG 14	0 ON APR 1	---	1953
1954	---	17.8 ON JUL 28	0 ON APR 1	---	1954
1955	---	16.1 ON JUN 29	0.085 ON MAY 9	---	1955
1956	---	16.9 ON JUN 15	0 ON APR 1	---	1956
1957	---	19.8 ON JUN 5	0 ON APR 1	---	1957
1958	---	18.6 ON MAY 28	0 E ON APR 1	---	1958
1959	---	16.4 E ON APR 24	---	---	1959
1960	---	17.1 ON JUN 11	0 E ON APR 1	---	1960
1961	---	18.7 ON JUN 25	0.023 ON OCT 21	---	1961
1962	---	20.4 ON JUN 30	0.008 ON OCT 31	---	1962
1963	---	22.2 ON JUN 5	0 ON APR 1	175 000	1963
1964	---	25.8 ON JUN 6	0 ON APR 1	---	1964
1965	---	23.2 ON JUN 12	0 ON APR 1	---	1965
1966	---	14.4 E ON JUL 16	0 E ON APR 1	---	1966
1967	---	18.1 ON JUL 27	---	---	1967
1968	---	17.2 ON MAY 30	0 ON APR 1	---	1968
1969	---	23.6 ON JUN 6	0 ON APR 1	---	1969
1970	---	18.6 ON JUN 6	0 ON APR 1	---	1970
1971	---	18.2 ON MAY 5	0 ON APR 1	133 000	1971
1972	---	16.6 ON APR 30	0 ON APR 1	---	1972
1973	---	18.2 ON JUL 27	0.008 ON APR 22	---	1973
1974	---	16.7 ON JUN 23	---	---	1974
1975	---	17.5 ON AUG 9	0.001 ON APR 29	---	1975
1976	---	18.2 ON AUG 8	0 ON APR 1	---	1976
1977	---	17.3 ON JUL 5	0 ON APR 1	---	1977
1978	---	16.7 ON AUG 16	0 ON APR 1	127 000	1978
1979	---	21.0 ON JUL 2	0 ON APR 1	171 000	1979
1980	---	21.7 ON MAY 24	0 ON APR 1	158 000	1980
1981	---	16.4 ON MAY 2	0 ON NOV 11	134 000	1981
1982	---	23.4 ON JUN 24	0 E ON APR 1	160 000	1982
1983	---	25.3 ON JUN 17	0 E ON OCT 18	---	1983
1984	---	23.8 ON JUL 21	0 ON NOV 18	200 000	1984
1985	---	28.4 ON JUL 13	0 E ON NOV 8	196 000	1985
1986	---	---	---	---	1986
				163 000	MEAN

E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WHIRLPOOL RIVER NEAR THE MOUTH - STATION NO. 07AA009

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	14.6	31.9	37.8	31.6	23.3	11.3	---	---	25.1	1966
1967	---	---	---	---	9.73	58.6	63.8	33.3	29.2	10.7	---	---	34.1	1967
1968	---	---	---	---	13.1	35.3	48.7	39.2	25.8	7.41	---	---	26.2	1968
1969	---	---	---	---	---	54.8	40.4	---	---	---	---	---	---	1969
1970	---	---	---	---	7.94	54.1	44.9	35.2	11.7	5.80	---	---	26.5	1970
1971	---	---	---	---	18.6	44.4	42.5	45.0	20.0	9.19	---	---	29.9	1971
1972	---	---	---	---	17.6	63.0	41.3	39.2	15.8	8.85	---	---	30.8	1972
1973	---	---	---	---	16.0	40.2	37.5	33.7	15.1	7.94	---	---	25.1	1973
1974	---	---	---	---	9.56	52.6	53.3	38.2	21.1	9.54	---	---	30.7	1974
1975	---	---	---	---	8.01	32.0	56.8	29.1	14.5	8.77	---	---	24.9	1975
1976	---	---	---	---	17.2	29.6	57.0	51.4	28.4	10.3	---	---	32.3	1976
1977	---	---	---	---	10.5	42.2	38.7	39.0	16.1	5.52	---	---	25.3	1977
1978	---	---	---	---	10.8	53.7	60.8	38.1	40.0	13.3	---	---	36.0	1978
1979	---	---	---	---	---	39.1	49.0	35.9	21.2	8.56	---	---	---	1979
1980	---	---	---	---	25.9	39.0	37.2	29.1	16.8	10.7	---	---	26.4	1980
1981	---	---	---	---	20.5	28.9	47.0	45.0	21.0	5.28	---	---	28.0	1981
1982	---	---	---	---	5.13	55.9	54.5	37.6	29.9	9.92	---	---	32.0	1982
1983	---	---	---	---	13.5	37.9	43.8	37.0	17.0	7.82	---	---	26.2	1983
1984	---	---	---	---	4.84	50.4	43.7	41.2	23.6	9.82	---	---	28.8	1984
1985	---	---	---	---	19.3	34.4	45.4	29.0	12.6	5.32	---	---	24.4	1985
1986	---	---	---	---	18.1	56.1	49.3	36.6	15.7	6.74	---	---	30.3	1986
MEAN	---	---	---	---	13.7	44.5	47.3	37.2	20.9	8.63	---	---	28.7	MEAN

LOCATION - LAT 52 43 29 N DRAINAGE AREA, 598 km²
LONG 117 55 29 W NATURAL FLOW

WHIRLPOOL RIVER NEAR THE MOUTH - STATION NO. 07AA009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1966	---	58.3 ON JUL 25	2.25E ON MAY 1	398 000	1966
1967	---	83.8 ON JUN 27	1.05 ON MAY 1 *	542 000	1967
1968	---	88.9 ON JUL 6	2.83E ON MAY 1	449 000	1968
1969	78.7 AT 17:00 MST ON JUN 4	73.6 ON JUN 5	---	---	1969
1970	77.0 AT 11:30 MST ON JUN 22	73.3 ON JUN 22	1.67 ON MAY 1	421 000	1970
1971	79.5 AT 00:00 MST ON JUN 24	70.8 ON JUN 24	4.25E ON OCT 31	476 000	1971
1972	108 E ON JUN 11	103 E ON JUN 11	1.82 ON MAY 1	491 000	1972
1973	97.1 AT 12:40 MST ON JUN 24	92.3 ON JUN 24	1.98E ON MAY 1	399 000	1973
1974	121 AT 07:30 MST ON JUN 23	114 ON JUN 23	5.37 ON MAY 18	487 000	1974
1975	88.3 AT 06:30 MST ON JUL 13	84.4 ON JUL 12	2.30 ON MAY 1	386 000	1975
1976	74.8 AT 09:30 MST ON JUL 9	71.6 ON JUL 9	4.64 ON MAY 1	515 000	1976
1977	81.3 AT 08:00 MST ON JUN 8	75.6 ON JUN 8	4.02 ON OCT 31	402 000	1977
1978	108 AT 20:15 MST ON SEP 3	91.7 ON SEP 4	5.21 ON MAY 7	572 000	1978
1979	72.2 AT 07:00 MST ON JUL 21	68.6 ON JUL 21	---	---	1979
1980	89.4 AT 08:25 MST ON JUN 17	66.1 ON JUN 17	4.84 ON OCT 31	420 000	1980
1981	88.9 AT 06:50 MST ON JUL 5	64.5 ON JUL 5	3.18E ON OCT 31	445 000	1981
1982	101 AT 09:50 MST ON JUN 22	98.5 ON JUN 22	1.40 ON MAY 1	510 000	1982
1983	84.2 AT 23:15 MST ON JUL 12	72.0 ON JUL 12	3.17 ON MAY 1	417 000	1983
1984	169 AT 09:20 MST ON JUN 29 *	153 ON JUN 29 *	2.32 ON MAY 4	458 000	1984
1985	70.2 AT 11:50 MST ON JUN 30	64.7 ON JUN 30	1.78 ON MAY 1	388 000	1985
1986	107 AT 07:04 MST ON MAY 31	99.4 ON MAY 31	1.88 ON MAY 1	482 000	1986
				456 000	MEAN

E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WHISKEYJACK CREEK NEAR HINTON - STATION NO. 07AD004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	---	0.078	0.092	0.014	0.028	0.012	---	---	---	1965
1966	---	---	---	0.008	0.088	0.060	0.030	0.042	0.016	0.008	---	---	0.041	1966
1967	---	---	---	0.001	0.027	0.068	0.012	0.004	0.002	0.001	0.001	0.001	0.019	1967
1968	0	---	---	---	---	0.006	0.006	0.005	0.003	0.003	0.003	---	---	1968
1969	---	---	---	---	0.015	0.013	0.032	0.054	0.011	0.007	0.006	0.003	0.022	1969
1970	---	---	0.001	0.002	0.016	0.018	0.008	0.003	0.001	0.001	---	---	0.008	1970
1971	---	---	---	---	0.014	0.063	0.073	0.006	0.003	0.003	---	---	0.027	1971
1972	---	---	0	0.003	0.032	0.043	0.021	0.005	0.010	0.022	0.008	0.002	0.023	1972
1973	---	---	---	---	0.064	0.037	0.009	0.004	0.002	0.004	0.003	0.001	0.020	1973
1974	---	---	---	---	---	0.016	0.012	0.005	0.005	0.002	0.001	0.001	---	1974
1975	---	---	---	---	0.007	0.010	0.009	0.001	0.001	0.001	0.001	---	0.005	1975
1976	---	---	---	---	0.006	0.004	0.003	0.012	0.003	0.002	0.001	0.001	0.005	1976
1977	---	---	---	---	0.071	0.038	0.034	0.028	0.039	0.025	---	---	0.039	1977
1978	---	---	---	---	0.037	0.065	0.037	0.013	0.018	0.006	---	---	0.029	1978
1979	---	---	---	---	---	---	---	0.008	0.004	0.004	---	---	---	1979
1980	---	---	---	---	0.013	0.121	0.044	0.020	0.021	0.010	---	---	0.038	1980
1981	---	---	---	---	0.036	0.029	0.021	0.012	0.005	0.003	---	---	0.018	1981
1983	---	---	---	---	---	---	0.033	0.010	0.005	0.006	---	---	---	1983
1984	---	---	---	---	0.035	0.029	0.007	0.003	0.009	0.014	---	---	0.016	1984
1985	---	---	---	0.005	0.011	0.031	0.013	0.011	0.018	0.012	---	---	0.016	1985
1986	---	---	---	---	0.034	0.038	0.066	0.018	0.017	0.025	---	---	0.033	1986
MEAN	0	---	0.001	0.004	0.032	0.040	0.028	0.013	0.011	0.008	0.003	0.002	0.022	MEAN

LOCATION - LAT 53 22 50 N DRAINAGE AREA, 3.13 km²
LONG 117 32 15 W NATURAL FLOW

WHISKEYJACK CREEK NEAR HINTON - STATION NO 07AD004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	0.365 AT 15:00 MST ON JUL 8	0.241 ON JUL 11	---	---	1965
1966	0.385 AT 16:00 MST ON MAY 10	0.266 ON MAY 10	0.007 ON OCT 18	649	1966
1967	0.193 AT 08:00 MST ON JUN 8	0.159 ON JUN 9	0.001 ON SEP 14 *	299	1967
1968	---	0.018 ON JUN 29	0.002 ON SEP 25	---	1968
1969	0.578 AT 18:00 MST ON AUG 5	0.340 ON AUG 5	0.004 ON OCT 30	384	1969
1970	0.099 AT 22:50 MST ON JUN 15	0.082 ON JUN 15	0.001E ON AUG 22	124	1970
1971	0.246 AT 21:30 MST ON JUL 11	0.210 ON JUL 12	0.001 ON SEP 4	428	1971
1972	---	0.156 ON JUN 25	0.004 ON AUG 8	361	1972
1973	0.190 AT 20:15 MST ON MAY 27	0.187 ON MAY 28	0.001 ON SEP 4	318	1973
1974	---	---	---	---	1974
1975	0.074 AT 17:30 MST ON JUN 28	0.048 ON JUN 28	0.001 ON AUG 7	78.2	1975
1976	0.079 AT 14:30 MST ON AUG 16	0.062 ON AUG 16	0.001 ON JUL 23	80.5	1976
1977	0.286 AT 18:20 MST ON MAY 29	0.187 ON MAY 30	0.001 ON MAY 1	622	1977
1978	0.326 AT 12:30 MST ON JUL 11	0.178 ON JUL 11	0.004 ON OCT 17	464	1978
1979	---	---	---	---	1979
1980	0.619 AT 19:40 MST ON JUN 4 *	0.522 ON JUN 4 *	0.004E ON MAY 1	803	1980
1981	0.252 AT 18:50 MST ON MAY 22	0.129 ON MAY 23	0.001 ON MAY 2	278	1981
1983	---	---	---	---	1983
1984	---	0.068E ON MAY 17	0.002E ON AUG 13	265	1984
1985	0.175 AT 23:10 MST ON JUN 24	0.119 ON JUN 25	0.003 ON AUG 5	252	1985
1986	0.338 AT 19:07 MST ON JUL 17	0.218 ON JUL 18	0.007 ON AUG 31	526	1986
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		356	MEAN

WHITE EARTH CREEK NEAR SMOKY LAKE - STATION NO 05EC006

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1985	---	---	0.285	4.32	1.78	0.250	0.210	0.047	0.030	0.414	---	---	0.909	1985
1986	---	---	0.307	2.44	1.01	0.174	1.24	1.24	0.213	0.188	---	---	0.847	1986
MEAN	---	---	0.296	3.38	1.40	0.212	0.725	0.644	0.122	0.291	---	---	0.878	MEAN

LOCATION - LAT 54 05 56 N
LONG 112 18 00 W NATURAL FLOW

WHITE EARTH CREEK NEAR SMOKY LAKE - STATION NO 05EC006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1985	10.38 AT 13:59 MST ON APR 9 *	8.95 ON APR 10 *	0.001 ON AUG 18 *	19 200	1985
1986	---	4.91 ON APR 7	0.008 ON SEP 20	17 900	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		18 500	MEAN

WHITEHORSE CREEK NEAR CADOMIN - STATION NO 07AF910

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1985	---	---	---	---	2.30	3.98	2.30	3.55	2.89	0.959	---	---	2.65	1985
1986	---	---	---	---	---	4.93	7.94	1.68	1.35	2.06	---	---	---	1986
MEAN	---	---	---	---	2.30	4.45	5.12	2.62	2.12	1.51	---	---	2.65	MEAN

LOCATION - LAT 52 59 00 N
LONG 117 20 40 W
DRAINAGE AREA 114 km^2
NATURAL FLOW

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

WHITEHORSE CREEK NEAR CADOMIN - STATION NO 07AF910

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1985	12.6 AT 20:04 MST ON JUN 28	9.39 ON JUN 29	0.157E ON MAY 2 *	42 200	1985
1986	28.3 AT 18:01 MST ON JUL 18 *	25.3 ON JUL 18 *	---	---	1986
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		42 200	MEAN

WHITEMUD CREEK (WEST BRANCH) NEAR IRETON - STATION NO. 05DF007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	---	---	---	---	---	---	0	0	---	---	---	1976
1977	---	---	0.003R	0.002R	0.125R	0.021R	0 R	0 R	0 R	0 R	---	---	0.019R	1977
1978	---	---	0.067	0.022	0	0	0	0	0.395	0.041	---	---	0.065	1978
1979	---	---	0.621	0.383	0.078	0.001	0.003	0	0	0	---	---	0.137	1979
1980	---	---	0.001	0.404	0	0.085	0.017	0.125	0.134	0.003	---	---	0.085	1980
1981	---	---	0.189	0.014	0.002	0	0.036	0.062	0	0	---	---	0.040	1981
1982	---	---	0	0.893	0.029	0	0.416	0.003	0	0	---	---	0.166	1982
1983	---	---	0.112	0.140	0	0.013	0.542	0.001	0	0	---	---	0.102	1983
1984	---	---	0.036	0.003	0	0.115	0	0	0.101	0.005	---	---	0.032	1984
1985	---	---	0.756	0.805	0.015	0	0	0	0	0	---	---	0.172	1985
1986	---	---	0.428	0.007	0.118	0	0.028	0.016	0	0.021	---	---	0.078	1986
MEAN	---	---	0.223R	0.249R	0.038R	0.024R	0.104R	0.021R	0.057R	0.008R	---	---	0.081	MEAN

LOCATION - LAT 53 13 20 N DRAINAGE AREA 63.7 km²
LONG 113 41 23 W NATURAL FLOW

R - REVISED SINCE JAN 1986

WHITEMUD CREEK (WEST BRANCH) NEAR IRETON - STATION NO. 05DF007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1976	---	---		---	1976
1977	3.14 AT 22:05 MST ON MAY 20	1.59 R ON MAY 20	0 ON AUG 5 *	---	1977
1978	3.77 AT 17:30 MST ON SEP 16	3.23 ON SEP 16	0R ON MAR 21	4048R	1978
1979	3.80 E AT 07:25 MST ON MAR 17	2.80 ON APR 10	0R ON MAR 1	1 380	1979
			0R ON MAR 1	2 900	
1980	3.30 E AT 07:15 MST ON APR 5	2.35 E ON APR 5	0R ON MAR 1	2 010	1980
1981	1.72 AT 08:00 MST ON MAR 13	1.00 E ON MAR 16	0R ON MAR 5	837	1981
1982	6.21 AT 01:10 MST ON APR 23 *	5.52 ON APR 23 *	0 ON MAR 1	3 510	1982
1983	3.54 AT 11:35 MST ON JUL 3	2.72 ON JUL 3	0R ON MAR 1	2 150	1983
1984	0.671 AT 16:25 MST ON JUN 8	0.618 ON JUN 8	0R ON MAR 1	683	1984
1985	5.75 AT 06:00 MST ON APR 2	5.20 ON APR 2	0R ON MAR 1	3 650	1985
1986	1.13 AT 12:35 MST ON MAY 15	1.10 E ON MAR 2	0 ON APR 16	1 850	1986
				1 920R	MEAN

R - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1 1986

WHITEMUD CREEK NEAR ELLERSLIE - STATION NO. 05DF006

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1969	---	---	---	---	---	0	0	0.006	0.015	0	---	---	---	1969
1970	---	---	0	4.86	0.034	0.011	0.815	0.093	0	0	---	---	0.716	1970
1971	---	---	0	7.85	0.078	0.012	1.31	0.015	0	0	---	---	1.12	1971
1972	---	---	1.51	4.17	0.146	0.073	0.040	0.095	0.009	0.002	---	---	0.748	1972
1973	---	---	1.34	1.86	0.126	1.30	1.23	0.956	0.005	0.009	---	---	0.865	1973
1974	---	---	0.005	18.0	---	---	---	0.018	0.008	0	---	---	---	1974
1975	---	---	0	1.57	0.254	0.035	0.024	0.010	0.027	0	---	---	0.237	1975
1976	---	---	0.048	1.14	0.002	0.007	0.007	0.035	0.038	0.006	---	---	0.157	1976
1977	---	---	---	---	---	---	---	0 R	0.027R	0.029R	---	---	---	1977
1978	---	---	0.658	0.389	0.046	0.016	0.026	0.084	1.91	0.173	---	---	0.385	1978
1979	---	---	3.63	2.11	0.291	0.073	0.146	0.060	0.002	0.022	---	---	0.793	1979
1980	---	---	0.011	3.44	0.055	0.484	0.284	1.02	1.14	0.313	---	---	0.834	1980
1981	---	---	2.81	0.232	0.106	0.077	0.186	0.253	0.004	0.013	---	---	0.463	1981
1982	---	---	0	7.06	0.383	0.073	2.44	0.019	0.030	0.043	---	---	1.24	1982
1983	---	---	0.624	1.21	0.015	0.640	3.81	0.103	0.007	0.009	---	---	0.791	1983
1984	---	---	0.821	0.135	0.028	0.308	0.008	0.005	0.431	0.267	---	---	0.223	1984
1985	---	---	2.27	5.47	0.212	0.033	0.003	0.037	0.005	0.015	---	---	0.594	1985
1986	---	---	2.16	0.140	0.215	0.032	0.188	0.028	0.006	0.061	---	---	0.357	1986
MEAN	---	---	0.975	3.72	0.133	0.192	0.655	0.157R	0.203R	0.053R	---	---	0.662	MEAN

LOCATION - LAT 53 24 44 N DRAINAGE AREA 335 km²
LONG 113 35 30 W NATURAL FLOW

R - REVISED SINCE JAN 1986

WHITEMUD CREEK NEAR ELLERSLIE - STATION NO 05DF006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1969	---	---	0 ON MAY 22 *	---	1969
1970	20.5 AT 21 47 MST ON APR 10	3.17 ON APR 11	0 B ON MAR 1	15 200	1970
1971	54.9 B AT 01 00 MST ON APR 17	41.1 B ON APR 16	0 B ON MAR 1	23 600	1971
1972	17.4 AT 17 [illegible] MST ON APR 7	15.5 ON APR 7	0 B ON MAR 1	15 600	1972
1973	17.3 B AT 13 00 MST ON MAR 31	10.5 B ON MAR 31	0 B ON MAR 1	16 300	1973
1974	114 AT 09 [illegible] MST ON APR 23 *	55.1 ON APR 23 *	0 ON OCT 3	---	1974
1975	10.3 B AT 16 30 MST ON APR 21	7.938 ON APR 22	0 B ON MAR 1	5 010	1975
1976	---	5.786 ON APR 6	0 B ON MAR 1	3 330	1976
1977	---	---	0 ON JUN 26	---	1977
1978	8.07 AT 17 20 MST ON SEP 19	7.65 ON SEP 19	0 B ON MAR 1	8 340	1978
1979	13.8 B AT 19 15 MST ON MAR 16	13.6 B ON MAR 17	0 B ON MAR 1	16 800	1979
1980	15.8 B AT 18 45 MST ON APR 5	14.4 B ON APR 6	0 B ON MAR 1	17 700	1980
1981	12.8 AT 22 30 MST ON MAR 15	11.2 B ON MAR 16	0 ON JUN 29	5 780	1981
1982	46.6 AT 11 10 MST ON APR 23	45.2 ON APR 23	0 B ON MAR 1	24 300	1982
1983	18.2 AT 09 25 MST ON JUL 6	16.5 ON JUL 6	0 B ON MAR 1	16 600	1983
1984	---	4.278 ON MAR 24	0 B ON MAR 1	4 720	1984
1985	39.7 AT 15 05 MST ON APR 2	35.0 ON APR 2	0 B ON MAR 1	21 100	1985
1986	9.75 AT 17 50 MST ON MAR 4	8.598 ON MAR 4	0.001 ON JUN 11	7 550	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		14 000	MEAN

WHITEMUD RIVER NEAR DIXONVILLE - STATION NO 07HA005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	---	---	---	---	---	2.63	0.864	0.957	0.384	0.174	---	1971
1972	0.092	0.080	0.156	7.51	42.2	3.10	20.4	7.63	1.32	2.22	0.922	0.313	10.7	1972
1973	0.286	0.161	0.196	20.5	27.5	18.3	5.45	5.60	3.81	3.59	1.61	0.686	10.8	1973
1974	0.282	0.241	0.167	32.1	86.4	8.55	5.10	10.0	6.21	5.10	1.53	0.554	16.5	1974
1975	0.262	0.180	0.128	4.26	13.8	6.87	6.06	0.621	0.673	0.380	0.315	0.153	6.16	1975
1976	0.090	0.085	0.060	12.9	6.30	10.3	14.3	17.4	4.48	2.27	0.991	0.537	8.49	1976
1977	0.367	0.343	0.267	5.54	16.4	43.3	4.63	2.52	1.77	5.74	1.11	0.452	10.4	1977
1978	0.231	0.143	0.151	6.15	37.7	6.76	1.66	0.484	4.38	2.12	0.730	0.309	7.45	1978
1979	0.138	0.126	0.106	2.89	35.6	24.5	17.4	3.89	2.24	1.34	0.297	0.107	11.0	1979
1980	0.032	0.007	0.005	1.58	1.03	1.98	2.54	1.44	2.27	1.75	0.768	0.074	1.57	1980
1981	0.001	0.043	0.632	7.05	17.7	7.20	2.87	0.519	0.025	0.156	0.184	0.097	4.49	1981
1982	0.071	0.031	0.029	2.48	15.2	0.867	0.106	2.23	0.248	0.272	0.162	0.087	2.71	1982
1983	0.022	0.034	0.056	3.34	3.51	12.7	20.2	10.4	1.03	1.09	0.623	0.300	6.61	1983
1984	0.084	0.059	0.230	2.18	20.4	10.7	18.4	1.76	2.36	1.70	0.638	0.266	7.25	1984
1985	0.201	0.117	0.188	6.84	10.5	2.19	1.73	0.362	2.94	3.25	0.676	0.097	3.54	1985
1986	0.113	0.084	0.895	7.95	24.8	2.09	4.14	1.21	0.119	0.957	0.503	0.188	5.26	1986
MEAN	0.168	0.112	0.211	8.53	22.7	10.5	8.32	4.37	2.19	2.06	0.776	0.253	7.40	MEAN

LOCATION - LAT 55 30 40 N DRAINAGE AREA 2 010 km^2
LONG 117 39 32 W NATURAL FLOW

WHITEMUD RIVER NEAR DIXONVILLE - STATION NO 07HA005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	---	---	---	---	1971
1972	71.1 E AT 12 00 MST ON APR 30	69.7 E ON APR 30	0.0518 ON MAR 1	227 000	1972
1973	54.1 AT 17 00 MST ON MAY 6	53.8 ON MAY 8	0.1138 ON MAR 3	230 000	1973
1974	122 AT 16 30 MST ON MAY 1 *	122 ON MAY 1 *	0.1138 ON MAR 24	345 000	1974
1975	35.4 AT 23 00 MST ON JUN 30	33.7 ON JUN 30	0.1138 ON APR 3	86 100	1975
1976	58.9 AT 23 00 MST ON JUN 30	58.1 ON JUN 30	0.0518 ON MAR 1	180 000	1976
1977	103 AT 07 30 MST ON JUN 7	101 ON JUN 7	0.1478 ON MAR 21	221 000	1977
1978	116 AT 18 00 MST ON MAY 25	107 ON MAY 25	0.040 ON AUG 16	156 000	1978
1979	57.9 AT 21 30 MST ON MAY 2	54.1 ON MAY 2	0.0848 ON APR 3	233 000	1979
1980	7.078 AT 06 30 MST ON APR 21	5.20 ON JUL 5	0 B ON MAR 14 *	33 300	1980
1981	40.5 AT 14 30 MST ON MAY 4	40.1 ON MAY 4	0.004 ON SEP 18	55 000	1981
1982	36.0 AT 12 30 MST ON MAY 5	35.5 ON MAY 5	0.0155 ON MAR 1	57 300	1982
1983	71.0 AT 09 00 MST ON JUL 31	71.0 ON JUL 31	0.0345 ON APR 7	140 000	1983
1984	74.3 AT 22 00 MST ON MAY 25	74.0 ON MAY 25	0.0755 ON MAR 1	153 000	1984
1985	25.1 AT 09 00 MST ON MAY 7	25.8 ON MAY 7	0.0868 ON MAR 12	75 000	1985
1986	42.8 AT 19 30 MST ON MAY 16	42.4 ON MAY 16	0.048 ON SEP 18	111 000	1986
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		157 000	MEAN

WILDHAY RIVER NEAR HINTON - STATION NO. 07AC001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	1.09	5.23	12.1	21.4	39.2	21.1	10.4	10.9	---	---	22.2	1965
1966	---	---	1.56	2.10	20.6	26.9	21.0	17.0	10.8	6.30	---	---	17.2	1966
1967	---	---	1.82	1.70	14.7	35.5	13.2	7.89	4.73	3.83	---	---	13.2	1967
1968	---	---	2.89	2.80	14.0	19.2	17.2	13.8	7.81	4.70	---	---	12.9	1968
1969	---	---	---	---	---	12.7	12.8	25.9	6.97	4.83	---	---	---	1969
1970	---	---	---	---	8.08	15.4	7.30	3.95	3.02	2.93	---	---	8.88	1970
1971	---	---	---	---	8.12	34.1	32.8	8.87	6.23	4.30	---	---	10.5	1971
1972	---	---	---	---	11.5	36.3	12.5	7.25	5.96	6.10	---	---	13.6	1972
1973	---	---	---	---	11.0	17.2	11.0	5.88	3.95	3.88	---	---	8.77	1973
1974	---	---	---	---	8.89	24.4	16.8	8.81	6.41	4.41	---	---	11.6	1974
1975	---	---	---	---	6.59	8.53	11.7	4.01	3.63	2.96	---	---	6.15	1975
1976	---	---	---	---	10.2	12.5	13.0	17.6	7.04	4.44	---	---	10.0	1976
1977	---	---	---	---	14.2	26.3	21.6	14.6	13.1	6.56	---	---	16.6	1977
1978	---	---	---	---	10.0	24.6	23.6	10.4	13.3	7.86	---	---	15.0	1978
1979	---	---	---	---	8.41	14.0	9.24	5.13	4.25	3.12	---	---	7.51	1979
1980	---	---	---	---	5.83	39.0	15.2	10.6	9.28	6.13	---	---	14.4	1980
1981	---	---	---	---	11.2	11.3	8.89	6.92	5.28	3.81	---	---	8.21	1981
1982	---	---	---	---	7.26	28.1	35.2	14.8	11.3	11.5	---	---	17.7	1982
1983	---	---	---	---	6.34	13.3	13.0	6.66	4.24	3.19	---	---	7.58	1983
1984	---	---	---	---	4.93	20.9	11.5	5.89	6.93	11.1	---	---	10.3	1984
1985	---	---	---	---	7.24	13.8	9.68	6.06	9.84	7.04	---	---	8.72	1985
1986	---	---	---	---	11.8	30.1	26.7	11.4	8.22	7.23	---	---	13.6	1986
MEAN	---	---	2.01	2.92	10.0	22.1	17.6	10.8	7.64	5.82	---	---	12.3	MEAN

LOCATION - LAT 53 31 24 N DRAINAGE AREA, 950 km²
LONG 117 56 49 W NATURAL FLOW

WILDHAY RIVER NEAR HINTON - STATION NO. 07AC001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1965	110 A AT 23:00 MST ON JUL 11	92.5 ON JUL 12	4.90 ON MAY 7	352 000	1965
1966	44.7 AT 19:00 MST ON MAY 10	41.5 ON MAY 27	2.61 E ON MAY 1	274 000	1966
1967	54.9 AT 05:00 MST ON JUN 3	52.4 ON JUN 3	2.87 ON OCT 30	209 000	1967
1968	29.4 AT 12:50 MST ON JUN 12	26.9 ON JUN 13	3.83 E ON MAY 1	189 000	1968
1969	122 A AT 06:07 MST ON AUG 6	96.3 ON AUG 6	---	---	1969
1970	29.1 AT 04:40 MST ON JUN 8	23.6 ON JUN 8	2.12 ON MAY 1	195 000	1970
1971	117 A AT 21:00 MST ON JUN 9	97.7 ON JUN 9	3.40 E ON OCT 31	247 000	1971
1972	116 A AT 14:00 MST ON JUN 13	112 A ON JUN 13	2.80 ON MAY 1	215 000	1972
1973	29.2 AT 22:45 MST ON JUN 24	24.9 ON JUN 25	2.37 ON MAY 1	139 000	1973
1974	40.8 AT 00:40 MST ON JUN 17	38.8 ON JUN 17	3.94 E ON OCT 31	184 000	1974
1975	17.3 AT 12:40 MST ON JUL 8	17.0 ON JUL 8	0.0038 ON MAY 1 *	97 700	1975
1976	29.7 AT 02:10 MST ON AUG 17	26.2 ON AUG 17	3.43 E ON OCT 31	174 000	1976
1977	45.3 AT 05:20 MST ON JUN 8	43.2 ON JUN 8	3.33 ON MAY 2	261 000	1977
1978	77.3 AT 17:40 MST ON JUL 11	61.8 ON JUL 12	5.35 ON OCT 31	236 000	1978
1979	28.7 AT 12:15 MST ON MAY 27	24.1 ON MAY 27	2.64 A ON OCT 30	110 000	1979
1980	166 A AT 18:30 MST ON JUN 6 *	121 A ON JUN 6 *	4.48 ON OCT 31	239 000	1980
1981	26.0 AT 06:30 MST ON MAY 23	23.4 ON MAY 23	3.02 ON OCT 30	131 000	1981
1982	75.0 AT 05:55 MST ON JUL 5	73.0 ON JUL 5	3.19 E ON MAY 1	243 000	1982
1983	29.2 AT 19:50 MST ON JUN 24	26.9 ON JUN 25	2.97 ON OCT 25	121 000	1983
1984	39.6 AT 09:00 MST ON JUN 14	33.9 ON JUN 14	3.35 ON MAY 5	162 000	1984
1985	20.3 AT 11:00 MST ON JUN 30	18.9 ON JUN 30	2.02 ON MAY 1	139 000	1985
1986	83.3 AT 17:24 MST ON JUL 18	60.5 ON JUL 18	1.74 ON MAY 2	216 000	1986
				195 000	MEAN

A - MANUAL GAUGE B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
(SEE REFERENCE INDEX) E - ESTIMATED

WILLOW CREEK ABOVE CHAIN LAKES - STATION NO. 05AB026

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	---	6.10	1.78	0.635	0.530	0.670	0.310	0.190	---	1965
1966	0.123	0.099	0.270	0.731	2.12	3.58	1.24	0.763	0.306	0.267	0.232	0.119	0.631	1966
1967	0.076	0.088	0.145	0.525	7.69	10.2	0.772	0.166	0.086	0.080	0.125	0.150	1.73	1967
1968	0.132	0.090	0.213	0.438	1.26	2.35	0.739	0.569	1.18	1.30	0.570	0.440	0.772	1968
1969	0.258	0.238	0.282	3.10	4.05	5.05	5.53	0.336	0.158	0.194	0.181	0.117	1.97	1969
1970	0.011	0.058	0.121	0.938	3.93	5.17	1.09	0.136	0.165	0.171	0.143	0.084	0.942	1970
1971	0.076	0.135	0.114	1.10	2.51	3.00	0.388	0.088	0.114	0.307	0.202	0.046	0.682	1971
1972	0.089	0.078	0.579	2.08	5.95	2.56	0.803	1.61	0.896	0.830	0.519	0.281	1.30	1972
1973	0.257	0.240	0.479	1.67	4.28	3.38	0.405	0.216	0.238	0.184	0.116	0.087	0.884	1973
1974	0.056	0.042	0.186	1.79	5.69	4.01	0.940	0.518	0.439	0.385	0.237	0.149	1.29	1974
1975	0.063	0.080	0.113	1.03	5.49	5.02	2.36	0.639	0.287	0.270	0.194	0.133	1.68	1975
1976	0.118	0.083	0.279	1.03	2.21	1.37	0.443	4.35	0.858	0.303	0.198	0.188	0.824	1976
1977	0.106	0.124	0.187	0.630	0.453	0.333	0.082	0.234	0.202	0.265	0.154	0.104	0.224	1977
1978	0.080	0.077	0.268	1.29	4.29	3.36	1.83	0.708	0.510	0.338	0.304	0.210	1.11	1978
1979	0.135	0.104	0.472	1.39	4.39	1.33	0.311	0.201	0.128	0.100	0.078	0.105	0.726	1979
1980	0.101	0.084	0.078	1.21	1.83	3.62	0.321	0.235	0.517	0.438	0.381	0.269	0.676	1980
1981	0.250	0.187	0.430	0.440	0.06	4.63	1.38	0.644	0.175	0.167	0.140	0.047	1.46	1981
1982	0	0.061	0.016	0.562	0.695	2.84	0.905	0.084	0.112	0.168	0.150	0.060	0.461	1982
1983	0.063	0.093	0.217	0.955	1.76	1.22	0.403	0.131	0.035	0.100	0.078	0.030	0.433	1983
1984	0.032	0.072	0.139	0.297	0.605	0.882	0.160	0.019	0.019	0.139	0.082	0.091	0.207	1984
1985	0.033	0.022	0.105	0.826	1.04	0.861	0.100	0.223	1.88	1.25	0.581	0.163	0.567	1985
1986	0.150	0.495	0.552	1.10	3.66	1.78	0.435	0.150	0.516	1.19	0.991	0.272	0.902	1986
MEAN	0.105	0.114	0.282	1.07	3.04	3.28	1.04	0.685	0.439	0.411	0.282	0.154	0.828	MEAN

LOCATION - LAT 50 11 47 N DRAINAGE AREA, 162 km²
LONG 114 12 46 W NATURAL FLOW

WILLOW CREEK ABOVE CHAIN LAKES - STATION NO 05AB026

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	23.9 AT 23 30 MST ON JUN 17	16.3 ON JUN 18	...	...	1965
1966	...	10.8 ON JUN 5	0.0858 ON MAR 7	25 300	1966
1967	...	39.1 ON MAY 31	0.042 ON SEP 21	54 500	1967
1968	...	4.84 ON JUN 7	0.0598 ON FEB 21	24 400	1968
1969	46.3 A AT 12 00 MST ON JUN 25	39.4 A ON JUN 25 *	0.0318 ON DEC 31	62 100	1969
1970	23.5 AT 12 10 MST ON JUN 13	18.4 ON JUN 14	0.0018 ON JAN 17	29 700	1970
1971	...	11.7 A ON JUN 6	0.0088 ON DEC 19	20 900	1971
1972	17.5 AT 08 40 MST ON AUG 23	8.33 ON MAY 15	0.0858 ON JAN 1	41 200	1972
1973	...	12.7 A ON MAY 26	0.0658 ON DEC 7	27 300	1973
1974	17.6 ON APR 27	11.0 E ON APR 27	0.0178 ON JAN 10	40 200	1974
1975	53.0 AT 03 30 MST ON JUN 20 *	38.5 ON JUN 20	0.0148 ON JAN 18	46 500	1975
1976	43.0 AT 21 00 MST ON AUG 5	20.8 ON AUG 6	0.0688 ON FEB 10	28 200	1976
1977	...	1.038 ON APR 6	0.015 ON AUG 2	7 070	1977
1978	10.8 AT 01 40 MST ON MAY 31	9.32 ON MAY 31	0.0548 ON MAR 5	35 000	1978
1979	8.93 AT 22 20 MST ON MAY 16	7.16 ON MAY 16	0.0408 ON DEC 1	32 900	1979
1980	9.80 AT 22 00 MST ON JUN 2	8.12 ON MAY 26	0.0208 ON FEB 23	21 400	1980
1981	48.6 AT 00 20 MST ON MAY 20	31.5 ON MAY 20	0.0028 ON DEC 31	46 000	1981
1982	6.99 AT 21 00 MST ON JUN 7	5.18 ON JUN 10	0 0 ON JAN 4 *	13 900	1982
1983	9.82 AT 01 05 MST ON APR 25	4.17A ON APR 25	0 ON SEP 7	13 400	1983
1984	2.00 AT 00 50 MST ON MAY 16	1.69 ON JUN 10	0 ON AUG 18	6 580	1984
1985	9.93 AT 10 09 MST ON SEP 12	6.73 ON SEP 13	0.0128 ON FEB 10	17 900	1985
1986	9.10 AT 10 00 MST ON MAY 21	6.72 ON MAY 22	0.0618 ON FEB 23	28 500	1986
				29 300	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WILLOW CREEK BELOW LANE CREEK - STATION NO 05AB039

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	APR	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1977	...	...	...	...	...	0.545	0.282	0.412	0.426	0.449	...	...	...	1977
1978	...	...	2.23	1.85	8.33	8.88	4.33	1.80	1.42	0.711	...	...	3.88	1978
1979	...	...	1.81	4.80	11.2	4.10	1.15	0.935	0.432	0.371	...	...	3.05	1979
1980	...	...	0.832	2.54	2.93	5.84	0.812	0.642	0.898	0.914	...	...	1.88	1980
1981	...	...	1.06	1.01	17.6	11.9	3.93	1.92	0.897	0.871	...	...	4.86	1981
1982	...	...	0.787	2.77	1.17	4.30	1.88	0.482	0.536	0.570	...	...	1.55	1982
1983	...	...	1.05	1.84	1.73	1.97	0.906	0.389	0.140	0.358	...	...	1.02	1983
1984	...	...	0.913	0.869	0.783	0.760	0.330	0.201	0.348	0.389	...	...	0.506	1984
1985	...	...	0.681	1.27	0.842	0.578	0.270	0.318	1.12	1.41	...	...	0.809	1985
1986	...	...	1.26	2.27	6.54	3.82	1.21	0.859	0.983	1.93	...	...	2.31	1986
MEAN	...	...	1.12	2.07	5.88	4.23	1.49	0.778	0.700	0.777	...	...	2.18	MEAN

LOCATION - LAT 50 08 25 N
LONG 113 58 21 W
DRAINAGE AREA 727 km^2
REGULATED SINCE 1986

WILLOW CREEK BELOW LANE CREEK - STATION NO 05AB039

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1977	3.78 AT 01 15 MST ON JUN 17	...	...	...	1977
1978	29.0 AT 09 30 MST ON MAY 31	23.6 ON MAY 31	0.3098 ON MAR 2	76 100	1978
1979	26.3 AT 09 40 MST ON MAY 17	15.5 ON MAY 17	0.276E ON OCT 30	64 600	1979
1980	22.4 AT 15 30 MST ON MAY 27	11.6 ON MAY 27	0.384 ON JUL 31	39 400	1980
1981	69.1 AT 03 40 MST ON JUN 14 *	51.2 ON MAY 22 *	0.601 ON SEP 19	103 000	1981
1982	8.22 AT 00 10 MST ON JUN 6	7.35 ON JUN 6	0.3008 ON MAR 3	32 700	1982
1983	6.78 AT 12 35 MST ON APR 25	6.21 ON APR 25	0.066 ON SEP 7 *	21 600	1983
1984	3.30 AT 23 03 MST ON MAY 16	1.77 ON MAY 17	0.113 ON JUL 13	10 800	1984
1985	9.97 AT 01 01 MST ON SEP 13	5.59 ON SEP 13	0.148 ON SEP 1	17 100	1985
1986	...	9.86 ON MAY 23	0.485 ON AUG 28	48 900	1986
				46 200	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WILLOW CREEK NEAR CLARESHOLM - STATION NO 05AB021

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1943	---	---	---	---	---	---	---	---	1.82	---	---	---	---	1943
1944	0.048	0.065	0.280	2.28	1.30	1.48	0.898	0.321	0.193	0.284	0.233	0.084	0.589	1944
1945	0.025	0.029	0.552	1.04	8.05	14.8	4.28	0.785	0.923	1.16	0.591	0.883	2.76	1945
1946	0.365	0.418	1.43	2.03	3.25	9.87	2.23	0.765	1.87	1.54	0.900	0.597	2.10	1946
1947	0.481	1.30	3.55	8.63	10.1	9.34	3.65	2.09	4.21	3.29	2.02	1.53	4.12	1947
1948	1.04	0.810	3.91	12.8	36.1	25.0	8.48	3.81	1.80	1.26	0.790	0.248	8.08	1948
1949	0.137	0.087	0.534	3.70	3.76	3.40	1.02	0.107	0.141	0.392	0.536	0.225	1.17	1949
1950	0.049	0.409	1.16	3.43	5.37	3.84	1.00	0.539	0.154	0.387	0.215	0.225	1.40	1950
1951	0.181	0.135	7.85	8.33	15.9	31.6	13.3	6.30	13.1	8.89	3.79	2.33	9.15	1951
1952	0.542	1.69	4.69	13.9	8.78	9.19	5.39	3.80	1.78	1.17	0.818	0.476	4.33	1952
1953	0.317	0.587	3.25	6.65	21.1	62.1	11.2	3.36	1.89	1.26	1.09	0.738	9.44	1953
1954	0.839	1.01	0.753	5.26	13.7	9.15	2.38	2.32	2.69	3.80	2.03	0.984	3.72	1954
1955	0.378	0.595	0.892	11.3	23.8	13.2	11.3	2.19	1.30	1.22	0.494	0.649	5.82	1955
1956	0.541	0.324	2.74	2.97	7.06	3.10	5.63	1.12	0.859	0.885	0.701	0.368	2.27	1956
1957	0.137	0.481	1.58	5.26	8.76	5.86	1.19	0.805	0.580	0.978	0.881	0.476	2.23	1957
1958	0.291	0.312	1.47	10.5	11.2	7.42	10.1	3.10	1.26	0.719	0.885	0.598	2.99	1958
1959	0.386	0.278	4.13	4.91	9.57	7.40	2.11	0.949	1.07	0.945	1.10	0.772	2.81	1959
1960	0.582	0.998	5.71	2.95	5.59	3.92	0.709	0.521	0.162	0.270	0.229	0.204	2.08	1960
1961	0.242	0.264	0.569	1.23	4.82	1.87	0.403	0.430	0.291	1.29	0.836	0.421	1.06	1961
1962	0.869	1.40	4.49	9.54	3.86	2.58	0.697	0.228	0.284	0.295	0.267	0.176	2.05	1962
1963	0.159	0.387	0.418	0.779	1.90	10.6 R	14.3	1.26	0.871	0.500	0.353	0.285	2.86 R	1963
1964	0.120	0.126	0.128	3.28	13.8	8.36	2.42	0.806	0.919	0.888	0.487	0.220	2.52	1964
1965	0.132	1.47	0.441	6.81	3.73	9.78	7.65	1.75	2.86	1.79	0.924	0.878	3.13	1965
1966	0.286	0.337	2.78	2.89	3.65	13.9	2.99	1.83	0.847	0.789	0.574	0.314	2.54	1966
1967	0.133	0.240	3.42	2.85	18.6	30.6	5.23	1.63	0.792	0.820	0.788	0.434	5.47	1967
1968	0.519	0.435	1.19	1.08	1.56	3.19	1.76	1.27	2.78	4.30	2.00	1.28	1.78	1968
1969	0.869	0.836	3.63	13.8	11.9	18.4	24.5	2.95	1.43	1.35	1.19	0.586	6.90	1969
1970	0.325	0.639	1.33	3.37	8.21	11.1	3.46	0.882	0.712	0.824	0.674	0.883	2.67	1970
1971	1.82	3.38	1.26	5.09	4.17	8.88	1.14	0.380	0.470	0.884	0.818	0.278	2.18	1971
1972	0.387	0.507	5.58	7.33	16.3	8.40	2.65	3.54	2.37	2.00	1.86	0.780	4.38	1972
1973	1.10	1.26	2.04	4.87	11.4	7.45	1.90	0.811	0.831	0.878	0.804	0.847	2.80	1973
1974	0.580	0.797	3.38	4.73	21.2	12.4	2.55	1.66	1.22	1.17	0.875	0.788	4.30	1974
1975	0.591	0.484	0.853	7.66	17.7	16.7	7.37	2.52	1.14	1.02	0.715	0.605	4.78	1975
1976	1.16	0.760	3.22	3.17	4.95	2.86	0.784	8.71	1.30	0.847	0.505	0.587	2.40	1976
1977	0.744	0.830	1.08	1.89	0.862	0.439	0.187	0.339	0.349	0.388	0.175	0.184	0.619	1977
1978	0.263	0.364	3.23	2.22	12.0	10.4	5.57	2.24	1.86	0.977	0.952	0.489	3.40	1978
1979	0.210	0.547	2.54	6.05	14.2	4.85	1.08	0.988	0.644	0.622	0.341	0.381	2.70	1979
1980	0.218	0.443	0.986	3.16	2.91	5.74	0.652	0.578	0.734	0.788	0.684	0.815	1.46	1980
1981	0.602	0.780	1.07	1.03	18.5	14.6	4.85	2.62	0.826	0.811	0.481	0.281	3.85	1981
1982	0.024	0.187	0.589	2.83	1.52	4.84	2.10	0.337	0.381	0.496	0.890	0.525	1.20	1982
1983	0.578	0.880	1.05	1.77	1.83	1.90	0.811	0.195	0.085	0.214	0.533	0.386	0.818	1983
1984	0.806	0.555	0.581	0.573	0.838	0.944	0.163	0.062	0.193	0.187	0.510	0.284	0.419	1984
1985	0.384	0.389	0.985	1.28	0.838	0.935	0.093	0.217	1.11	1.55	1.08	0.785	0.783	1985
1986	0.843	2.84	1.52	2.14	6.05	3.37	1.09	0.562	0.922	1.82	1.05	0.855	1.90	1986
MEAN	0.467	0.708	2.18	4.80	9.38	10.1 R	4.17	1.84	1.37	1.37	0.855	0.577	3.13	MEAN

LOCATION - LAT 50 01 05 N
LONG 113 42 50 W

DRAINAGE AREA 1 180 km²
REGULATED SINCE 1966

R - REVISED SINCE JAN 1986

WILLOW CREEK NEAR CLARESHOLM STATION NO 05AB021

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1908	---	---	---	---	1908
1944	5.80 AT 17 40 MST ON APR 4	5.47 ON APR 4	0.038 ON AUG 11	18 500	1944
1945	35.2 AT 09 00 MST ON JUN 7	35.7 ON JUN 28	0.020 ON FEB 1	87 100	1945
1946	---	52.1 ON JUN 7	0.113 ON FEB 8	66 300	1946
1947	22.7 AT 17 00 MST ON JUN 11	21.1 ON JUN 11	0.1708 ON JAN 16	130 000	1947
1948	76.7 AT 17 00 MST ON MAY 23	71.8 ON MAY 23	0.1969 ON DEC 15	255 000	1948
1949	11.4 AT 16 30 MST ON MAY 22	10.6 ON MAY 23	0.037 ON AUG 19	36 900	1949
1950	9.34 AT 17 00 MST ON MAY 13	8.84 ON MAY 15	0.0148 ON FEB 13	44 100	1950
1951	121 ON JUN 24	85.0 ON JUN 24	0.0518 ON FEB 1	289 000	1951
1952	---	35.1 ON APR 7	0.0388 ON JAN 24	137 000	1952
1953	283 AT 06 00 MST ON JUN 9 *	234 ON JUN 9 *	0.1708 ON JAN 1	288 000	1953
1954	37.1 AT 08 30 MST ON MAY 12	34.8 ON MAY 12	0.3408 ON MAR 22	117 000	1954
1955	92.8 AT 07 00 MST ON MAY 19	73.9 ON MAY 19	0.2278 ON FEB 27	177 000	1955
1956	38.2 AT 08 20 MST ON JUL 4	33.4 ON JUL 4	0.1988 ON FEB 27	71 800	1956
1957	14.6 AT 16 00 MST ON APR 30	13.3 ON MAY 2	0.0858 ON JAN 15	70 400	1957
1958	36.2 AT 07 50 MST ON APR 14	27.6 ON APR 14	0.1138 ON FEB 17	126 000	1958
1959	17.6 AT 12 00 MST ON MAY 28	15.7 ON MAY 28	0.1708 ON JAN 24	88 700	1959
1960	---	26.1 B ON MAR 20	0.116 ON SEP 21	65 600	1960
1961	---	7.48 ON MAY 25	0.125 ON SEP 6	33 500	1961
1962	45.9 AT 03 00 MST ON APR 5	30.3 ON APR 5	0.079 ON AUG 28	84 700	1962
1963	255 ON JUN 29	185 B ON JUN 30	0.0578 ON NOV 19	84 0008	1963
1964	---	32.6 ON MAY 7	0.0288 ON JAN 12	79 500	1964
1965	---	37.4 ON JUN 18	0.178 ON JAN 7	98 800	1965
1966	---	33.7 ON JUN 6	0.048 ON JAN 31	80 100	1966
1967	---	81.3 ON MAY 31	0.078 ON JAN 31	172 000	1967
1968	---	9.91 ON SEP 28	0.028 ON JAN 28	56 300	1968
1969	105 AT 16 30 MST ON JUL 1	92.6 ON JUL 1	0.3628 ON DEC 31	218 000	1969
1970	---	47.6 ON JUN 14	0.2298 ON JAN 15	84 100	1970
1971	---	22.7 ON JUN 7	0.1338 ON DEC 11	68 100	1971
1972	---	37.7 ON MAY 26	0.2748 ON JAN 12	138 000	1972
1973	44.5 AT 16 00 MDT ON MAY 26	30.6 ON MAY 27	0.488 ON AUG 29	48 200	1973
1974	33.7 AT 07 10 MST ON MAY 31	32.3 ON MAY 31	0.2838 ON JAN 13	136 000	1974
1975	90.3 AT 22 00 MST ON JUN 20	64.0 ON JUN 21	0.2838 ON NOV 27	151 000	1975
1976	---	32.0 ON AUG 8	0.1818 ON NOV 12	75 800	1976
1977	---	7.78 ON APR 5	0.091 ON JUL 24	19 500	1977
1978	---	38.2 ON MAY 18	0.1708 ON DEC 13	107 000	1978
1979	---	18.3 ON MAY 17	0.1408 ON JAN 6	46 300	1979
1980	---	12.8 ON MAY 27	0.1008 ON FEB 23	48 100	1980
1981	---	59.2 ON JUN 14	0.0558 ON DEC 31	122 000	1981
1982	---	7.82 ON JUN 7	0.08 ON JAN 22 *	37 800	1982
1983	---	8.19 ON APR 26	0.088E ON AUG 6	26 800	1983
1984	---	1.98 ON MAY 17	0 ON AUG 21	13 200	1984
1985	---	7.17 ON SEP 13	0 ON JUL 7	23 800	1985
1986	---	40.0 B ON FEB 25	0.3508 ON NOV 17	59 800	1985
				98 800#	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
# - REVISED SINCE JAN 1 1986

WILLOW CREEK NEAR GRANUM - STATION NO 05AB015

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1924	---	---	---	---	8.40	16.3	5.76	4.74	1.38	1.10	---	---	---	1924
1925	---	---	2.84	9.55	6.32	10.7	2.05	1.02	1.38	4.86	---	---	4.83	1925
1926	---	---	1.25	4.46	2.37	12.2	8.99	2.48	14.8	10.0	---	---	7.03	1926
1927	---	---	3.27	5.84	32.3	46.3	12.1	9.13	19.4	15.9	---	---	18.0	1927
1928	---	---	10.6	12.7	12.3	26.4	30.3	9.20	4.64	3.88	---	---	13.7	1928
1929	---	---	2.89	7.16	20.0	34.8	4.89	1.82	1.26	1.37	---	---	9.13	1929
1930	---	5.13	2.94	8.46	7.59	6.97	1.78	0.883	0.725	0.877	---	---	3.84	1930
1931	---	---	1.31	2.05	---	---	---	---	---	---	---	---	---	1931
1935	---	---	---	5.68	3.76	3.37	1.43	0.305	0.065	0.226	---	---	---	1935
1936	---	---	4.08	8.01	1.46	1.34	0.104	0	0	0	---	---	1.86	1936
1937	---	---	0.333	2.41	2.28	8.90	1.32	0.882	0.280	0.832	---	---	2.09	1937
1938	---	---	1.87	6.52	15.2	7.36	4.12	0.904	0.252	0.469	---	---	4.57	1938
1939	---	---	3.04	2.18	1.42	16.0	3.83	0.552	0.334	1.08	---	---	3.48	1939
1940	---	---	1.94	4.43	6.21	3.66	1.13	0.437	1.83	1.82	---	---	2.90	1940
1941	---	---	1.10	1.65	1.44	3.05	0.898	0.433	1.64	1.04	---	---	1.45	1941
MEAN	---	5.13	2.84	6.05	8.85	14.0	5.86	2.29	3.42	3.21	---	---	6.04	MEAN

LOCATION - LAT 49 53 00 N LONG 113 33 00 W
DRAINAGE AREA 2 000 km^2
NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1930

WILLOW CREEK NEAR CRANUM - STATION NO 05AB015

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1924	---	34.5 ON JUN 9	---	---	1924
1925	---	24.1 ON JUN 15	0.2838 ON MAR 1	102 000	1925
1926	---	61.5 ON JUN 20	0.5589 ON MAR 31	149 000	1926
1927	---	104 ON MAY 30	1.25 B ON MAR 1	382 000	1927
1928	---	80.3 ON JUL 3	2.61 B ON MAR 8	280 000	1928
1929	---	128 ON JUN 8 e	0.946 ON AUG 25	193 000	1929
1930	---	18.3 ON APR 3	0.487 ON AUG 30	81 700	1930
1931	---	---	---	---	1931
1935	---	---	---	---	1935
1936	---	82.0 ON APR 13	---	---	1936
1937	---	39.5 B ON APR 9	0 ON JUL 21 e	39 400	1937
1938	---	44.2 ON JUN 16	0 B ON MAR 1	44 300	1938
1939	---	40.5 ON MAY 24	0.085 ON SEP 26	95 700	1939
1940	---	89.7 ON JUN 17	0.0578 ON MAR 1	73 700	1940
1941	---	11.9 ON APR 13	0.040 ON SEP 2	52 900	1941
		0.69 ON JUN 3	0.0288 ON MAR 1	30 700	1941
	B - ICE CONDITIONS	e - EXTREME RECORDED FOR THE PERIOD OF RECORD		128 000	MEAN

WILLOW CREEK NEAR ROLAN - STATION NO 05AB002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	8.36	3.78	1.26	1.17	---	---	---	1909
1910	---	---	---	1.15	1.69	0.885	0.090	0.077	1.32	1.25	---	---	---	1910
1911	---	---	---	2.16	5.87	5.84	2.05	6.74	15.8	3.83	---	---	---	1911
1912	---	---	---	---	8.84	10.8	14.0	8.08	3.89	3.41	---	---	---	1912
1913	---	---	---	---	11.2	8.99	8.48	5.29	3.61	2.42	---	---	---	1913
1914	---	---	---	5.18	4.42	4.28	2.57	0.887	0.617	3.65	---	---	---	1914
1915	---	---	---	3.87	28.2	45.6	34.7	16.4	8.11	5.35	3.88	3.00	---	1915
1916	0.811	1.82	4.67	6.27	9.08	36.3	16.7	4.86	6.83	7.04	5.83	3.82	11.3	1916
1917	1.12	0.823	3.04	12.0	36.6	92.8	11.1	4.80	2.84	2.33	2.74	0.882	15.7	1917
1918	0.876	0.888	2.61	2.84	4.34	3.33	0.837	0.852	1.06	0.983	0.878	0.781	2.04	1918
1919	0.292	0.262	0.386	3.15	3.73	1.36	0.105	0.282	0.227	0.481	1.04	0.361	1.15	1919
1920	0.347	0.415	2.01	8.56	34.5	16.0	5.72	1.27	0.828	0.736	0.732	0.306	8.82	1920
1921	0.053	0.914	1.78	4.89	4.56	3.08	1.05	0.321	0.267	0.566	0.378	0.248	2.05	1921
1922	0	0	0.212	6.43	10.8	4.70	2.36	0.828	0.213	0.337	0.268	0.085	3.20	1922
1923	0.050	0.015	0.604	2.85	3.67	83.5	16.6	7.72	3.11	2.00	---	---	12.6	1923
1924	---	---	2.22	---	---	---	---	---	---	---	---	---	---	1924
1942	---	---	1.09	4.38	40.0	45.8	20.4	8.28	6.71	5.43	---	---	15.6	1942
1943	---	---	5.85	14.6	7.89	7.34	2.73	0.867	0.364	0.587	---	---	4.84	1943
1944	---	---	0.376	3.28	1.42	1.28	0.837	0.414	0.308	0.148	---	---	0.976	1944
1945	---	---	0.812	0.835	7.67	17.1	5.16	0.784	0.953	1.06	---	---	4.24	1945
1946	---	---	2.83	3.19	3.44	13.3	2.54	0.783	2.86	3.12	---	---	3.70	1946
1947	---	---	6.97	11.3	14.6	12.6	3.59	2.04	3.78	5.00	---	---	7.20	1947
1948	---	---	5.82	21.1	55.8	43.5	14.2	6.61	2.37	2.32	---	---	18.9	1948
1949	---	---	0.868	6.07	9.08	4.48	1.21	0.318	0.270	0.745	---	---	2.35	1949
1950	---	---	2.38	6.53	6.28	4.80	1.65	0.868	0.210	0.318	---	---	2.54	1950
1951	---	---	11.4	8.87	19.9	41.9	19.8	6.21	20.7	14.5	---	---	17.9	1951
1952	---	---	9.21	21.2	11.9	12.5	7.60	4.70	2.33	1.83	---	---	8.32	1952
1953	---	---	5.04	7.83	28.4	68.3	17.7	8.09	3.07	1.86	---	---	19.5	1953
1954	---	---	2.00	8.04	19.4	13.8	3.81	3.89	3.84	4.43	---	---	6.77	1954
1955	---	---	1.88	15.0	34.5	20.5	15.1	3.07	1.80	1.91	---	---	11.7	1955
1956	---	---	5.39	6.84	6.62	3.32	7.12	1.98	1.13	0.786	---	---	3.86	1956
1957	---	---	3.31	6.37	5.95	4.08	2.00	0.818	0.736	1.30	---	---	3.90	1957
1958	---	---	2.55	15.8	18.4	8.67	13.2	4.73	1.78	1.12	---	---	7.77	1958
1959	---	---	0.80	5.95	12.8	11.0	3.88	1.33	1.42	1.27	---	---	5.48	1959
1960	---	---	5.70	6.06	11.3	6.06	1.21	0.594	0.180	0.389	---	---	3.83	1960
1961	---	---	0.585	1.43	5.11	2.31	0.437	0.464	0.361	1.46	---	---	1.80	1961
1962	---	---	5.74	12.9	9.41	3.13	0.770	0.262	0.304	0.334	0.310	0.198	3.40	1962
1963	0.132	0.819	0.842	0.783	1.84	11.5 B	20.3	1.73	0.745	0.600	0.803	0.584	4.77 R	1963
1964	0.361	0.260	0.453	2.65	16.6	9.33	2.87	0.761	0.982	0.789	0.597	0.375	4.30	1964
1965	0.223	1.71	2.01	9.70	4.38	11.0	10.3	2.99	3.40	2.63	1.69	1.04	5.77	1965
1966	0.268	0.371	3.03	3.50	4.31	17.3	4.51	2.84	1.06	0.978	0.833	0.466	4.86	1966
1967	0.262	0.264	3.86	7.67	26.8	48.6	10.4	2.31	1.23	1.20	1.60	0.832	12.8	1967
1968	1.67	1.22	3.83	2.30	2.41	3.79	2.36	1.83	2.83	5.16	---	---	3.02	1968
1969	---	---	5.88	20.4	15.1	24.2	33.7	3.92	1.97	2.02	---	---	13.5	1969
1970	---	---	1.84	4.43	7.77	12.4	4.38	1.01	0.787	1.16	---	---	4.22	1970
1971	---	---	1.88	5.27	3.87	7.10	1.35	0.974	0.926	0.880	---	---	2.76	1971
1972	---	---	11.6	9.81	19.6	12.2	4.20	4.08	3.17	2.86	---	---	8.41	1972
1973	---	---	3.31	4.86	12.0	9.01	2.20	1.01	1.08	1.12	---	---	4.32	1973
1974	---	---	4.38	5.90	24.0	15.8	3.33	2.22	1.62	1.62	---	---	7.34	1974
1975	---	---	0.880	8.31	21.7	33.2	10.3	3.86	1.78	1.80	---	---	9.04	1975
1976	---	---	4.01	3.84	6.01	3.86	0.776	10.2	1.82	1.38	---	---	3.80	1976
1977	---	---	1.83	3.50	0.821	0.416	0.188	0.278	0.278	0.388	---	---	0.849	1977
1978	---	---	8.01	3.83	11.5	15.5	8.54	2.58	4.02	1.86	---	---	6.75	1978
1979	---	---	4.83	7.34	17.9	6.88	1.38	0.804	0.582	0.616	---	---	4.86	1979
1980	---	---	1.79	3.81	3.16	7.73	0.516	0.678	0.827	1.02	---	---	2.44	1980
1981	---	---	1.72	1.20	21.4	17.1	5.83	2.86	0.854	0.887	---	---	6.52	1981
1982	---	---	0.854	3.81	1.70	5.16	2.70	0.263	0.242	0.584	---	---	1.82	1982
1983	---	---	1.85	2.01	2.06	1.83	0.534	0.108	0.100	0.227	---	---	1.06	1983
1984	---	---	0.898	0.875	0.382	0.287	0.100	0.067	0.147	0.274	---	---	0.370	1984
1985	---	---	1.03	1.69	0.319	0.672	0.046	0.157	1.65	1.84	---	---	0.883	1985
1986	---	---	2.24	2.09	0.12	2.95	1.24	0.949	1.25	2.08	---	---	2.45	1986
MEAN	0.403	0.578	3.14	6.30	12.1	16.1 R	6.69	3.80	2.30	1.87	1.69	0.789	5.22	MEAN

LOCATION - LAT 49 47 33 N DRAINAGE AREA 2 260 km^2
LONG 113 32 13 W REGULATED SINCE 1966

R - REVISED SINCE JAN 1986

WILLOW CREEK NEAR NOLAN - STATION NO 05AB002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	...	...	...	...	1909
1910	...	2 32 ON SEP 21	...	...	1910
1911	...	41 9 ON SEP 5	...	...	1911
1912	...	36 5 ON JUN 16	...	...	1912
1913	...	21 4 ON APR 12	...	...	1913
1914	...	12 7 ON APR 6	...	...	1914
1915	...	112 ON JUN 26	...	...	1915
1916	...	58 0 ON JUN 10	1 33 ON MAR 3	238 000	1916
1917	...	82 4 ON MAY 28	1 10 B ON MAR 1	332 000	1917
1918	...	11 4 B ON MAR 26	0 368 ON JUL 21	43 100	1918
1919	...	11 7 B ON APR 1	0 034 ON JUL 27	25 300	1919
1920	...	87 2 ON MAY 9	0 1878 ON MAR 13	187 000	1920
1921	...	22 4 ON APR 3	0 0628 ON MAR 16	43 500	1921
1922	...	24 5 ON APR 22	0 ON MAR 1 *	87 800	1922
1923	...	203 ON JUN 2	0 0428 ON MAR 2	267 000	1923
1924	...	...	...	...	1924
1942	552 AT 12 00 MST ON MAY 12	317 ON MAY 12	0 0578 ON MAR 1	352 000	1942
1943	...	77 9 ON APR 3	0 1708 ON MAR 6	105 000	1943
1944	...	9 51 ON APR 5	0 0578 ON MAR 10	20 700	1944
1945	...	37 9 ON JUN 7	0 B ON MAR 1	89 800	1945
1946	80 5 ON JUN 8	58 0 ON JUN 8	0 289 ON AUG 13	78 300	1946
1947	...	27 4 ON JUN 12	0 4538 ON MAR 1	152 000	1947
1948	...	101 ON MAY 23	0 881 ON OCT 7	400 000	1948
1949	...	16 7 ON MAY 22	0 057 ON AUG 23	50 000	1949
1950	9 15 AT 10 00 MST ON MAY 18	9 00 ON MAY 28	0 181 ON SEP 27	53 700	1950
1951	...	50 6 E ON JUN 24	0 2278 ON MAR 1	380 000	1951
1952	...	60 9 ON APR 7	1 44 ON SEP 29	178 000	1952
1953	592 AT 10 00 MST ON JUN 9 *	416 ON JUN 9 *	0 7938 ON MAR 5	415 000	1953
1954	...	34 8 ON MAY 12	1 10 B ON APR 3	143 000	1954
1955	107 AT 16 00 MST ON MAY 19	101 ON MAY 20	0 8238 ON MAR 2	248 000	1955
1956	...	31 7 ON JUL 5	0 2278 ON MAR 1	81 700	1956
1957	...	15 3 ON MAY 5	0 0858 ON MAR 5	82 500	1957
1958	...	52 1 ON APR 14	0 5108 ON MAR 8	185 000	1958
1959	28 9 AT 15 00 MST ON JUN 28	28 0 ON JUN 28	0 7658 ON MAR 5	116 000	1959
1960	34 8 B AT 16 00 MST ON MAR 20	29 2 B ON MAR 19	0 113 ON SEP 20	81 000	1960
1961	10 7 AT 01 00 MST ON MAY 18	9 88 ON MAY 17	0 088 ON SEP 6	33 800	1961
1962	51 8 AT 14 00 MST ON APR 5	37 1 ON APR 5	0 0744 ON AUG 23	72 100	1962
1963	368 E ON JUN 30	200 RE ON JUN 30	0 3008 ON MAR 14	101 000R	1963
1964	50 1 AT 22 00 MST ON MAY 7	37 1 ON MAY 7	0 3518 ON MAR 8	91 100	1964
1965	54 1 AT 22 00 MST ON JUN 18	37 7 ON JUN 19	0 5048 ON MAR 29	122 000	1965
1966	41 9 AT 02 00 MST ON JUN 6	36 2 ON JUN 6	0 3578 ON MAR 9	98 700	1966
1967	...	99 7 ON JUN 2	0 3968 ON MAR 12	270 000	1967
1968	9 88 AT 02 00 MST ON SEP 27	5 26 ON SEP 27	0 909 ON AUG 5	84 000	1968
1969	120 AT 13 58 MST ON JUN 30	114 ON JUN 30	0 9778 ON MAR 7	285 000	1969
1970	...	43 0 ON JUN 15	0 569 ON AUG 24	89 300	1970
1971	24 1 AT 12 30 MST ON JUN 7	22 5 ON JUN 8	0 227 ON AUG 21	69 000	1971
1972	87 2 B AT 18 00 MST ON MAR 11	47 3 B ON MAR 18	0 2838 ON MAR 1	178 000	1972
1973	43 0 AT 03 20 MST ON MAY 27	37 4 ON MAY 27	0 677 ON AUG 25	91 500	1973
1974	37 9 AT 17 50 MST ON MAY 20	34 5 ON MAY 28	0 9408 ON MAR 1	155 000	1974
1975	101 AT 08 30 MST ON JUN 21	94 0 ON JUN 21	0 6468 ON MAR 3	191 000	1975
1976	42 2 AT 13 40 MST ON AUG 9	35 7 ON AUG 9	0 190 ON JUL 26	80 500	1976
1977	10 3 AT 12 05 MST ON APR 5	9 17 ON APR 5	0 008 ON JUL 19	18 000	1977
1978	37 1 AT 04 30 MST ON JUN 1	36 0 ON JUN 1	0 7028 ON MAR 3	143 000	1978
1979	23 3 AT 03 30 MST ON MAY 18	22 7 ON MAY 18	0 2548 ON MAR 1	105 000	1979
1980	16 2 AT 14 15 MST ON MAY 28	15 7 ON MAY 28	0 0606 ON JUL 30	51 700	1980
1981	68 2 AT 00 25 MST ON JUN 15	62 4 ON MAY 23	0 800 ON SEP 19	138 000	1981
1982	11 7 AT 08 30 MST ON JUN 7	10 9 ON JUN 7	0 1308 ON AUG 21	40 500	1982
1983	8 16 AT 12 55 MST ON APR 26	5 67 ON APR 26	0 043 ON AUG 7	22 500	1983
1984	1 69 AT 20 55 MST ON MAR 25	1 378 ON MAR 5	0 004 ON AUG 28	7 830	1984
1985	8 67 AT 21 20 MST ON SEP 12	5 92 ON SEP 14	0 ON MAY 16	18 700	1985
1986	...	10 7 ON MAY 24	0 234 ON AUG 29	51 900	1986
				132 000R	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1 1986

WILLOW RIVER NEAR WABASCA - STATION NO 07JA003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1985	...	...	0 538	10 0 R	19 9 R	4 44R	2 65	2 20	5 20 R	5 88	...	...	5 35R	1985
1986	...	...	0 475	2 90	9 61	9 05	15 8	4 74	0 912	1 44	...	...	5 63	1986
MEAN	...	...	0 507	6 45R	14 8 R	6 75R	9 23	3 47	3 06 R	3 66	...	...	5 99	MEAN

LOCATION - LAT 55 54 45 N LONG 113 56 17 W
DRAINAGE AREA, 1 030 km^2
NATURAL FLOW

R - REVISED SINCE JAN 1980

WILLOW RIVER NEAR WABASCA - STATION NO 07JA003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1985	47 3R AT 13 00 MST ON MAY 5 *	...	0 3508 ON MAR 8	...	1985
1986	45 0 AT 10 00 MST ON JUL 19	44 4 ON JUL 19 *	0 3108 ON MAR 14 *	119 000	1986
				119 000	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1 1986

WOLF CREEK AT HIGHWAY NO 1A - STATION NO 07AG003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1954	...	...	...	...	...	...	...	...	...	...	1.27	0.895	...	1954
1955	0.687	0.650	0.598	5.28	8.58	6.58	5.57	1.83	0.391	0.741	0.605	0.283	2.98	1955
1956	0.314	0.282	0.275	4.49	4.48	5.61	2.19	1.24	0.888	0.805	0.716	0.530	1.81	1956
1957	0.545	0.332	0.418	6.00	6.96	2.03	2.83	8.78	2.60	4.70	3.46	1.44	3.53	1957
1958	0.919	0.766	0.619	6.53	6.80	7.93	7.16	0.596	0.984	1.14	0.539	0.279	2.86	1958
1959	0.183	0.062	0.236	1.73	3.12	9.50	2.34	0.867	1.26	1.97	1.38	0.702	1.95	1959
1960	0.508	0.385	1.74	4.22	8.72	6.64	8.72	1.09	1.47	1.66	0.832	0.359	3.04	1960
1961	0.544	0.506	0.800	1.70	4.42	1.67	2.34	1.39	0.408	1.24	0.521	0.077	1.31	1961
1962	0.097	0.097	0.316	8.53	8.76	2.93	3.40	3.58	5.80	3.04	2.01	0.708	3.28	1962
1963	0.223	0.077	0.084	11.7	10.7	3.14	0.971	0.587	0.902	0.789	0.375	0.316	2.50	1963
1964	0.218	0.278	0.264	1.83	12.0	4.20	7.04	5.66	13.3	7.04	2.08	0.930	4.67	1964
1965	0.387	0.517	0.449	8.98	17.9	19.9	25.0	2.85	4.52	2.27	1.00	1.00	7.08	1965
1966	0.494	0.863	1.09	7.16	8.31	4.21	8.98	15.7	5.65	3.04	1.48	1.33	4.88	1966
1967	0.841	0.506	0.658	3.60	9.42	6.92	2.05	3.38	0.509	0.410	0.345	0.128	2.41	1967
1968	0.045	0.022	0.105	2.41	5.29	4.57	3.75	6.41	3.21	1.75	0.940	0.758	2.45	1968
1969	0.473	0.402	0.403	4.88	5.39	2.16	7.51	18.6	5.98	5.78	2.62	0.619	4.62	1969
1970	0.508	0.605	0.786	5.86	6.00	8.68	3.30	1.55	0.980	0.942	0.805	0.533	2.53	1970
1971	0.506	0.847	0.567	8.16	7.15	27.6	26.3	2.78	2.25	4.52	2.08	1.09	7.07	1971
1972	0.826	0.406	2.35	7.97	18.0	31.1	8.41	3.87	2.92	6.00	2.71	1.24	7.12	1972
1973	0.850	0.992	0.578	12.4	15.2	4.59	2.27	5.05	2.14	2.91	1.17	0.812	4.13	1973
1974	0.728	0.718	0.883	15.7	22.2	3.11	8.08	2.91	2.08	2.02	0.862	0.671	5.01	1974
1975	0.542	0.563	0.524	1.76	4.68	5.83	5.82	0.989	0.934	0.868	0.576	0.489	1.98	1975
1976	0.525	0.509	0.536	5.78	2.83	3.48	5.44	9.78	2.50	1.49	0.935	0.670	2.95	1976
1977	0.543	0.650	0.591	3.81	29.5	10.0	5.89	8.01	14.3	5.70	1.52	0.772	7.00	1977
1978	0.672	0.852	1.15	7.05	10.6	16.1	8.09	2.70	11.2	4.11	1.94	1.08	5.45	1978
1979	0.498	0.516	0.824	2.18	6.77	9.37	8.94	2.48	0.779	1.23	0.858	0.627	3.10	1979
1980	0.598	0.586	0.621	7.78	7.78	43.1	13.7	8.22	8.78	3.12	1.96	1.28	7.91	1980
1981	0.810	0.569	1.06	3.62	9.96	6.82	3.30	1.48	0.981	1.00	0.937	0.257	2.58	1981
1982	0.179	0.338	0.322	2.38	8.75	5.98	61.1	4.89	4.74	3.87	1.21	0.585	6.26	1982
1983	0.586	0.604	0.643	3.19	2.81	5.16	12.8	1.34	1.05	1.07	0.987	0.432	2.57	1983
1984	0.420	0.612	0.862	3.16	9.50	6.08	1.45	1.28	7.77	3.56	1.85	1.02	3.11	1984
1985	0.925	0.644	0.598	5.59	4.85	3.85	2.10	4.21	9.37	3.57	1.21	1.07	3.50	1985
1986	0.653	0.763	1.52	4.38	16.2	5.08	53.2	8.36	6.65	10.1	2.89	1.82	9.43	1986
MEAN	0.525	0.498	0.714	5.95	9.58	8.86	8.41	4.40	3.98	2.89	1.34	0.750	4.09	MEAN

LOCATION - LAT 53 35 55 N DRAINAGE AREA 829 km²
LONG 116 16 15 W NATURAL FLOW

WOLF CREEK AT HIGHWAY NO 1A - STATION NO 07AG003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1954	...	...	...	...	1954
1955	27.4 AT 16 15 MST ON JUN 1	27.2 ON JUN 1	0.110 ON SEP 4	93 500	1955
1956	...	11.2 ON JUN 18	0.1428 ON MAR 5	57 100	1956
1957	...	29.4 ON APR 26	0.1428 ON FEB 1	111 000	1957
1958	84.1 AT 11 00 MST ON JUN 28	80.4 ON JUN 28	0.0858 ON DEC 8	90 100	1958
1959	26.6 AT 18 30 MST ON JUN 18	23.5 ON JUN 19	0.0288 ON JAN 19	61 500	1959
1960	...	52.7 ON JUL 3	0.0858 ON DEC 5	96 100	1960
1961	9.40 AT 14 00 MST ON JUL 31	8.61 ON JUL 31	0.0238 ON DEC 24	41 400	1961
1962	...	20.5 ON MAY 21	0.0288 ON FEB 2	104 000	1962
1963	...	41.1 ON APR 27	0.0208 ON MAR 26	78 600	1963
1964	...	60.6 ON MAY 8	0.1478 ON JAN 10	144 000	1964
1965	...	86.8 ON JUL 10	0.1708 ON JAN 10	223 000	1965
1966	...	49.3 ON AUG 6	0.2278 ON FEB 28	184 000	1966
1967	...	19.2 ON MAY 8	0.0858 ON DEC 14	75 900	1967
1968	...	14.1 ON AUG 7	0.0148 ON FEB 6 *	77 500	1968
1969	...	138 ON AUG 6	0.3008 ON DEC 22	146 000	1969
1970	...	40.8 ON JUN 17	0.4818 ON JAN 11	79 800	1970
1971	...	89.2 ON JUL 12	0.4768 ON JAN 14	223 000	1971
1972	260 AT 23 30 MST ON JUN 26	218 ON JUN 26	0.2928 ON FEB 18	225 000	1972
1973	...	33.7 ON MAY 5	0.7488 ON JAN 17	130 000	1973
1974	...	58.9 ON APR 27	0.3438 ON NOV 12	158 000	1974
1975	...	44.2 ON JUN 29	0.3438 ON NOV 26	61 700	1975
1976	...	25.1 ON APR 13	0.4658 ON MAR 4	93 200	1976
1977	...	92.9 ON MAY 30	0.4118 ON JAN 7	221 000	1977
1978	...	35.1 ON JUN 15	0.4848 ON FEB 13	172 000	1978
1979	...	29.6 ON JUN 15	0.2658 ON JAN 25	87 900	1979
1980	...	156 ON JUN 5	0.5418 ON MAR 5	251 000	1980
1981	...	22.2 ON MAY 9	0.1108 ON DEC 28	81 200	1981
1982	...	182 ON JUL 5	0.0808 ON JAN 3	198 000	1982
1983	...	32.7 ON JUL 2	0.3308 ON DEC 24	81 000	1983
1984	...	27.6 ON MAY 17	0.3008 ON JAN 15	88 200	1984
1985	35.6 AT 02 10 MST ON SEP 14	33.1 ON SEP 14	0.4858 ON MAR 14	110 000	1985
1986	570 ON JUL 18 *	391 A ON JUL 18 *	0.4188 ON FEB 28	288 000	1986
				129 000	MEAN

A - MANUAL GAUGE
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
(SEE REFERENCE INDEX)

WOLF RIVER AT OUTLET OF WOLF LAKE : STATION NO 06AB002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	---	---	---	---	---	---	---	---	---	---	---	1968
1969	0 557	0 590	0 640	1 80	3 43	1 81	0 934	0 597	0 534	0 535	0 537	0 541	---	1969
										0 597	0 594	0 590	1 07	1969
1970	0 708	0 708	0 805	1 51	2 13	1 21	13 2	5 83	4 30	3 55	2 88	1 95	3 34	1970
1971	1 41	1 03	0 715	3 05	5 72	3 59	10 4	4 07	1 08	0 242	0 079	0 183	2 85	1971
1972	0 327	0 419	0 520	2 33	5 90	2 20	0 837	0 598	0 100	0 073	0 177	0 184	1 14	1972
1973	0 180	0 176	0 181	0 440	1 87	3 74	2 50	2 81	3 62	2 58	2 42	1 57	1 83	1973
1974	1 16	0 841	0 854	4 74	18 7	8 16	2 16	0 914	0 880	0 887	0 817	0 880	3 26	1974
1975	0 721	0 934	0 756	1 26	4 99	4 93	7 72	4 10	1 99	1 02	0 865	0 885	2 50	1975
1976	0 826	0 499	0 306	0 859	0 913	0 841	3 04	2 07	1 76	0 876	0 607	0 428	1 07	1976
1977	0 452	0 393	0 375	0 854	1 52	1 85	1 12	1 56	1 10	0 988	0 540	0 380	0 917	1977
1978	0 384	0 453	0 448	0 754	1 89	3 50	1 16	0 341	0 551	0 553	0 281	0 390	0 891	1978
1979	0 494	0 472	0 452	0 456	2 08	4 18	1 26	0 370	0 889	0 389	0 305	0 516	0 970	1979
1980	0 451	0 284	0 222	0 778	0 431	0 173	0 028	1 24	3 18	3 00	1 42	0 889	1 01	1980
1981	0 556	0 399	0 317	0 581	0 823	0 374	0 503	0 248	0 051	0 004	0 ---	0 ---	0 305	1981
1982	0 ---	0 ---	0 ---	0 040	0 507	0 444	0 341	0 357	0 307	0 175	0 083	0 028	0 201	1982
1983	0 034	0 062	0 070	0 161	1 78	0 724	0 881	0 450	0 228	0 141	0 104	0 100	0 388	1983
1984	0 099	0 173	0 145	0 394	1 05	2 88	0 922	0 210	0 014	0 015	0 118	0 184	0 516	1984
1985	0 250	0 257	0 231	0 898	3 94	2 35	0 892	0 200	0 054	0 005	0 001	0 ---	0 742	1985
1986	0 ---	0 ---	0 001	0 059	0 706	0 501	2 01	2 75	0 193	0 052	0 019	0 057	0 537	1986
MEAN	0 468	0 433	0 387	1 15	3 24	2 30	2 78	1 64	1 09	0 834	0 595	0 498	1 30	MEAN

LOCATION - LAT 54 42 47 N DRAINAGE AREA 725 km²
LONG 111 00 15 W NATURAL FLOW

WOLF RIVER AT OUTLET OF WOLF LAKE : STATION NO 06AB002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1968	---	---	---	---	1968
1969	---	5 24 ON MAY 7	0 497 ON AUG 26	33 900	1969
1970	18 0 AT 23 55 MST ON JUL 9	17 5 ON JUL 12	0 708E ON JAN 1	105 000	1970
1971	12 7 AT 05 30 MST ON JUL 14	12 7 ON JUL 14	0 085 ON NOV 5	83 700	1971
1972	---	7 32 E ON APR 30	0 048 ON OCT 19	36 100	1972
1973	5 27 AT 11 30 MST ON JUN 23	5 21 ON JUN 23	0 167 ON JAN 13	57 700	1973
1974	22 1 AT 11 00 MST ON MAY 15 *	22 0 ON MAY 14 *	0 558 ON SEP 4	103 000	1974
1975	10 1 AT 20 30 MST ON JUL 3	9 77 ON JUL 5	0 580 ON NOV 22	78 800	1975
1976	4 33 AT 20 30 MST ON JUL 20	4 25 ON JUL 20	0 337 ON APR 1	33 800	1976
1977	2 81 AT 15 30 MST ON MAY 29	2 71 ON MAY 29	0 326 ON MAR 8	28 900	1977
1978	---	5 49 ON JUN 5	0 235A ON AUG 15	28 100	1978
1979	---	5 95 A ON JUN 17	0 182 ON NOV 21	30 500	1979
1980	---	4 22 A ON SEP 27	0 003E ON JUL 30	31 900	1980
1981	---	0 817A ON APR 27	0 B ON NOV 14 *	8 510	1981
1982	0 961 AT 18 42 MST ON MAY 26	0 894 ON MAY 24	0 B ON JAN 1	6 330	1982
1983	2 50 AT 09 43 MST ON MAY 7	2 36 ON MAY 7	0 028B ON JAN 1	12 600	1983
1984	---	3 87 E ON JUN 9	0 003 ON SEP 5	16 300	1984
1985	5 14 AT 17 23 MST ON MAY 15	5 10 ON MAY 15	0 B ON DEC 1	23 400	1985
1986	4 93 AT 15 02 MST ON AUG 1	4 84 ON AUG 1	0 B ON JAN 1	18 900	1986
				40 800	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

WOLVERINE CREEK NEAR VALLEYVIEW : STATION NO 07GF003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	0 137	0 094	0 018	0 003	0	0	---	---	---	---	1967
1968	---	---	---	0 015	0 057	0 183	0 002	0 050	0 001	0 003	---	---	---	1968
1969	---	---	0	0 122	0 023	0 003	0 033	0	0 003	0 007	---	---	0 041	1969
													0 027	1969
1970	---	---	0 004	0 122	0 049	0	0	0	0	---	---	---	0 024	1970
1971	---	---	0	0 035	0 003	0 124	0 074	0 001	0 001	0 003	---	---	0 034	1971
1972	---	---	0 072	0 173	0 018	0 024	0 007	0 009	0 006	0 001	---	---	0 033	1972
1973	---	---	0 006	0 116	0 049	0 080	0 010	0 005	0 013	0 045	---	---	0 045	1973
1974	---	---	0 002	0 329	0 133	0 005	0 003	0 002	0 003	0 003	---	---	0 068	1974
1975	---	---	---	---	0 035	0 021	0 013	0 010	0 004	---	---	---	---	1975
1976	---	---	---	---	0 021	0 209	0 034	0 286	0 030	0 017	---	---	---	1976
1977	---	---	---	---	0 189	0 032	0 058	0 012	0 012	0 024	---	---	---	1977
1978	---	---	---	---	0 108	0 057	---	0 004	0 018	---	---	---	---	1978
1979	---	---	---	---	0 200	---	0 024	0 007	0 001	---	---	---	---	1979
1980	---	---	---	0 023	0 012	0 030	0 003	0	0	---	---	---	---	1980
1981	---	---	---	0 108	0 027	0 002	---	---	---	---	---	---	---	1981
1982	---	---	---	---	0 026	0 006	0 013	0 027	0 005	0 002	---	---	---	1982
1983	---	---	---	0 012	0 004	0 110	---	0 020	0 002	0 002	---	---	---	1983
1984	---	---	---	0 037	0 160	0 028	0 002	0 002	0 007	0 014	---	---	---	1984
1985	---	---	---	0 170	0 018	0 002	0 004	0 002	0 005	0 005	---	---	0 036	1985
1986	---	---	---	0 120	0 078	0 004	0 004	0 001	0 002	0 004	---	---	0 029	1986
													0 030	1986
MEAN	---	---	0 014	0 109	0 085	0 048	0 017	0 024	0 006	0 009	---	---	0 037	MEAN

LOCATION - LAT 54 55 17 N DRAINAGE AREA 11 1 km²
LONG 117 48 32 W NATURAL FLOW

DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

WOLVERINE CREEK NEAR VALLEYVIEW - STATION NO. 07GF003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	0.814 AT 19:00 MST ON APR 26	0.527 ON APR 28	0 B ON APR 1 *	---	1967
1968	34.0 AT 14:30 MST ON JUN 12 *	2.36 ON JUN 12 *	0 ON SEP 22	764	1968
1969	22.9 A AT 04:15 MST ON JUL 18	0.954A ON JUL 18	0 ON JUL 13	500	1969
1970	0.479 AT 04:00 MST ON MAY 17	0.382 ON MAY 17	0 ON JUN 3	448	1970
1971	1.46 AT 09:30 MST ON JUL 12	0.719 ON JUL 12	0 B ON APR 1	632	1971
1972	0.773 AT 09:00 MST ON JUN 26	0.436 ON JUN 26	0 ON MAY 30	614	1972
1973	0.733 AT 22:00 MST ON JUN 10	0.552 ON JUN 11	0 ON AUG 11	830	1973
1974	1.26 B AT 23:00 MST ON APR 23	1.01 B ON APR 24	0 ON JUL 9	1 250	1974
1975	---	0.2158 ON APR 18	0 B ON APR 2	---	1975
1976	---	2.33 E ON AUG 17	0.006 ON JUL 4	---	1976
1977	---	0.623 ON MAY 14	---	---	1977
1978	---	0.402 ON APR 30	0 ON AUG 5	---	1978
1979	0.925E AT 12:15 MST ON JUN 16	0.880E ON JUN 16	0 ON APR 6	---	1979
1980	0.136 AT 12:57 MST ON JUN 6	0.133 ON JUN 6	0 B ON APR 1	---	1980
1981	0.185 AT 22:52 MST ON APR 24	0.1688 ON APR 25	0 ON MAY 31	---	1981
1982	0.344 AT 14:32 MST ON MAY 17	0.091 ON MAY 17	0 ON JUL 1	---	1982
1983	---	---	0 ON OCT 7	---	1983
1984	0.974 AT 18:55 MST ON MAY 17	0.946 ON MAY 17	0 ON JUL 24	683	1984
1985	0.619 AT 13:16 MST ON APR 13	0.558 ON APR 13	0 ON JUL 3	539	1985
1986	0.504 AT 20:05 MST ON MAY 18	0.370 ON APR 18	0 ON JUN 29	559	1986
				680	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

YOUNG DRAINAGE PROJECT NEAR SPIRIT RIVER - STATION NO. 07FD913

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	0.313	0.005	0	0	0.032	0	0	---	---	---	1982
1983	---	---	---	0.189	0.001	0.047	0.250	0	0	0	---	---	---	1983
1984	---	---	---	0.004	0.004	0.010	0.002	0	0	0	---	---	---	1984
1985	---	---	---	0.014	0	0	0	0	0	0	---	---	---	1985
1986	---	---	---	0.016	0.018	0	0	0	0	0	---	---	---	1986
MEAN	---	---	---	0.103	0.005	0.011	0.050	0.005	0	0	---	---	---	MEAN

LOCATION LAT 55 48 00 N LONG 118 47 00 W DRAINAGE AREA, 31.6 km^2 NATURAL FLOW DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

YOUNG DRAINAGE PROJECT NEAR SPIRIT RIVER - STATION NO. 07FD913

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	4.79 AT 22:08 MST ON APR 26 *	---	---	---	1982
1983	4.33 AT 21:05 MST ON JUL 20	---	---	---	1983
1984	0.449 AT 16:37 MST ON MAR 20	0.2628 ON MAR 20 *	0 ON APR 2 *	---	1984
1985	0.2718 AT 05:47 MST ON APR 2	0.1458 ON APR 2	0 ON APR 10	---	1985
1986	---	---	---	---	1986
				---	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

NAME	STATION NO	PAGE
ADAMS CREEK NEAR KINUSO	07BJ004	1
AETNA CREEK AT HIGHWAY NO. 501	05AE912	1
ALBERTA POWER LIMITED COOLING POND OUTLET	05CG007	1
ALBERTA RAILWAY AND IRRIGATION CO. CANAL AT SPRING COULEE	05AE010	2
ALBERTA RAILWAY AND IRRIGATION CO. CANAL NEAR KIMBALL	05AE003	2
ALKALI CREEK NEAR THE MOUTH	05CK005	3
AMISK CREEK NEAR SHONTS	05EB016	3
AMISK RIVER AT HIGHWAY NO. 36	06AA002	4
ANTELOPE COULEE SPILLWAY	05BN010	5
ARCADIA CREEK NEAR ARCADIA	07BH001	5
ASPHALT CREEK NEAR FORT MACKAY	07DA012	6
ATHABASCA RIVER AT ATHABASCA	07BE001	7
ATHABASCA RIVER AT EMBARRAS AIRPORT	07DD001	9
ATHABASCA RIVER AT ENTRANCE	07AD001	9
ATHABASCA RIVER AT HINTON	07AD002	10
ATHABASCA RIVER BELOW MCMURRAY	07DA001	11
ATHABASCA RIVER NEAR JASPER	07AA002	12
ATHABASCA RIVER NEAR WINDFALL	07AE001	13
ATIM CREEK NEAR SPRUCE GROVE	05EA009	14
ATIMOSWE CREEK NEAR ELK POINT	05ED002	15
ATLAS MINE COULEE AT WESTERN MONARCH	05CG005	15
ATUSIS CREEK NEAR REDLAND	05CE008	15
BABETTE CREEK NEAR COLINTON	07CA008	16
BAD HEART RIVER NEAR HEART VALLEY	07GJ004	16
BAKER CREEK NEAR THE MOUTH	05BA007	17
BALFOUR CREEK NEAR THE MOUTH	05BA011	17
BAPTISTE RIVER NEAR THE MOUTH	05DC012	17
BATH CREEK NEAR LAKE LOUISE	05BA003	18
BATTERSEA DRAIN NEAR THE MOUTH	05AD038	18
BATTLE RIVER ABOVE PIPESTONE CREEK	05FA023	19
BATTLE RIVER AT DUHAMEL	05FA011	19
BATTLE RIVER AT HIGHWAY NO. 41	05FE003	19
BATTLE RIVER BELOW PIPESTONE CREEK	05FA021	19
BATTLE RIVER NEAR FORESTBURG	05FC001	20
BATTLE RIVER NEAR ONOKA	05FA001	21
BATTLE RIVER NEAR THE SASKATCHEWAN BOUNDARY	05FE004	22
BEAR CREEK NEAR INTERNATIONAL BOUNDARY	11AA028	23
BEAR CREEK NEAR VALHALLA CENTRE	07GE007	23
BEAR RIVER NEAR GRANDE PRAIRIE	07GE005	24
BEARBERRY CREEK NEAR SUNDRE	05CA011	24
BEAVER CREEK NEAR BROCKET	05AB013	25
BEAVER MINES CREEK NEAR BEAVER MINES	05AA010	25
BEAVER RIVER ABOVE SYNCRUDE	07DA018	26
BEAVER RIVER AT COLD LAKE RESERVE	06AD006	27
BEAVER RIVER NEAR FORT MACKAY	07DA005	28
BEAVER RIVER NEAR GOODRIDGE	06AA001	28
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07JF003	PONTON RIVER ABOVE BOYER RIVER	386
07JF004	BOYER RIVER NEAR PADDLE PRAIRIE	78
07KA002	PEACE RIVER AT FIFTH MERIDIAN	363
07KC001	PEACE RIVER AT PEACE POINT	365
07KE001	BIRCH RIVER BELOW ALICE CREEK	44
07NB001	SLAVE RIVER AT FITZGERALD	453
07NB006	BENCH MARK CREEK NEAR FORT SMITH	38
07NB007	SALT RIVER BELOW PEACE POINT HIGHWAY	439
07NB008	DOG RIVER NEAR FITZGERALD	132
07OA001	SOUSA CREEK NEAR HIGH LEVEL	459
07OB003	HAY RIVER NEAR MEANDER RIVER	192
07OB004	STEEN RIVER NEAR STEEN RIVER	479
07OB005	MEANDER RIVER AT OUTLET HUTCH LAKE	283
07OB006	LUTOSE CREEK NEAR STEEN RIVER	285
07OB007	HUTCH LAKE TRIBUTARY NEAR HIGH LEVEL	207
07OC001	CHINCHAGA RIVER NEAR HIGH LEVEL	108
11AA001	NORTH MILK RIVER NEAR INTERNATIONAL BOUNDARY	333
11AA002	NORTH MILK RIVER AT KNIGHT'S RANCH	332
11AA003	NORTH BRANCH OF MILK RIVER NEAR MACKIE'S RANCH	329
11AA004	MILK RIVER AT MACKIE'S RANCH	304
11AA005	MILK RIVER AT MILK RIVER	305
11AA006	MILK RIVER AT WRITING-ON-STONE POLICE DETACHMENT	309
11AA007	MILK RIVER AT PENDANT D'OREILLE POLICE DETACHMENT	307
11AA009	SAGE CREEK AT BJORDAL'S NEAR WILD HORSE	435
11AA010	DEER CREEK AT DICKINSON'S RANCH	129
11AA013	DEER CREEK CATTLE CO. EAST DITCH	130
11AA022	DEER CREEK CATTLE CO. DITCH	130
11AA023	LINDSAY COULEE NEAR ONEFOUR POST OFFICE	247
11AA024	MAYNARD COULEE NEAR ONEFOUR POST OFFICE	283
11AA025	MILK RIVER AT WESTERN CROSSING OF INTERNATIONAL BOUNDARY	308
11AA026	SAGE CREEK AT Q RANCH NEAR WILDHORSE	436
11AA027	SAGE CREEK NEAR INTERNATIONAL BOUNDARY	438
11AA028	BEAR CREEK NEAR INTERNATIONAL BOUNDARY	23
11AA029	MINERS COULEE NEAR INTERNATIONAL BOUNDARY	312
11AA030	MILK RIVER NEAR INTERNATIONAL BOUNDARY	310
11AA031	MILK RIVER AT EASTERN CROSSING OF INTERNATIONAL BOUNDARY	302
11AA032	NORTH FORK MILK RIVER ABOVE ST. MARY CANAL	330
11AA033	SOUTH FORK MILK RIVER NEAR BABB	459
11AA034	MILK RIVER NEAR WRITING-ON-STONE PARK	311
11AA035	MILK RIVER NEAR PENDANT D'OREILLE	310
11AA037	RED CREEK AT HIGHWAY NO. 4	404
11AA038	VERDIGRIS COULEE NEAR THE MOUTH	514
11AB007	LODGE CREEK AT HARTT'S RANCH	261
11AB008	MIDDLE CREEK NEAR THE SASKATCHEWAN BOUNDARY	296
11AB021	ENGLISH DITCH NEAR THELMA	184
11AB023	LODGE CREEK AT HESTER'S RANCH	261
11AB063	THELMA CREEK AT ENGLISH'S RANCH	500
11AB086	WALBURGER COULEE BELOW DIVERSIONS	525
11AB111	GRABURN CREEK NEAR THE MOUTH	185
11AB902	LODGE CREEK AT HIGHWAY NO. 41	262